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OCTOBER 24, 1914.

[Subscription, 10s. per annum, including Diary.
Free the World over. Single Copies, 6d. each.
Winter and Summer Issues, 1s. each. Post Free.]

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packed in amber-
tinted glass jars
—labelled.

SIZES:

$\frac{1}{2}$ lb., 1 lb.,
2 lb., 4 lb.

Orders can be
received for im-
mediate delivery.



**Allen &
Hanburys,**
Limited,
London.



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mediate delivery.



**Allen &
Hanburys,**
Limited,
London.

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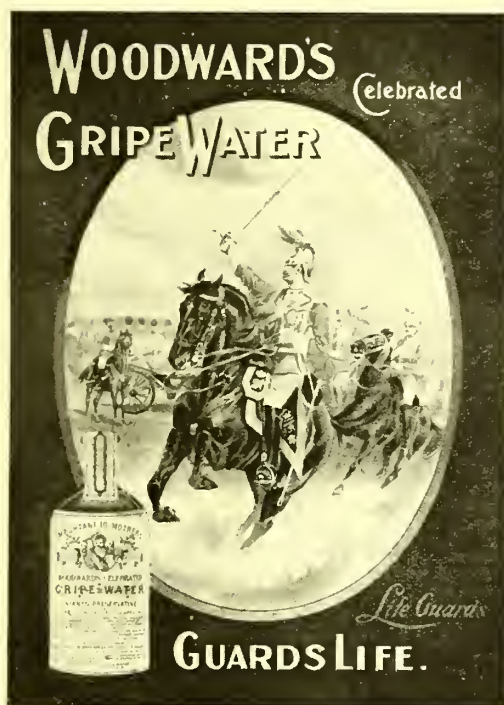
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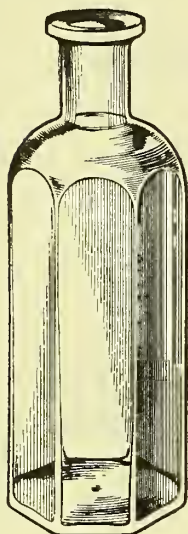
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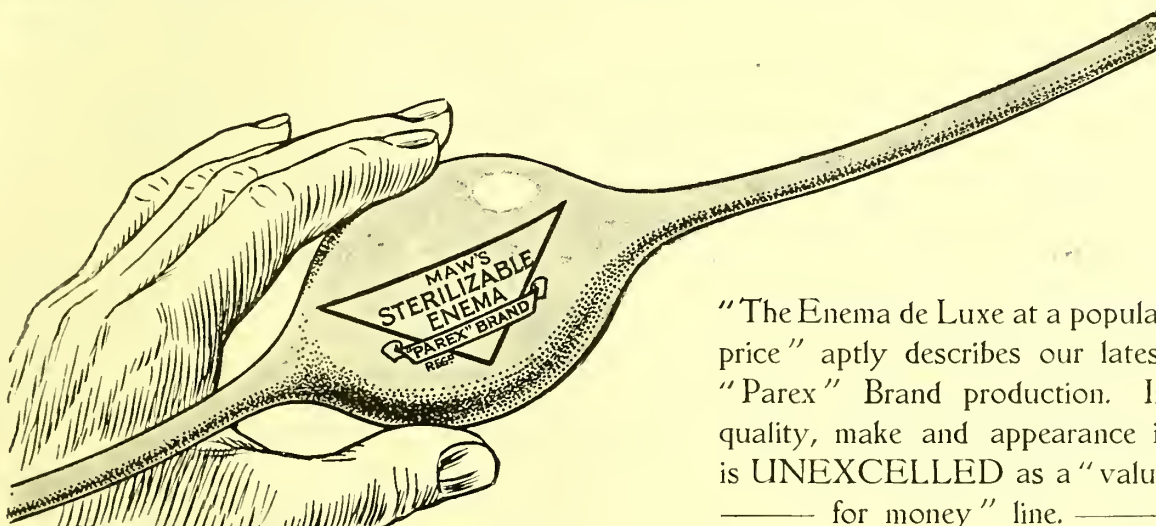
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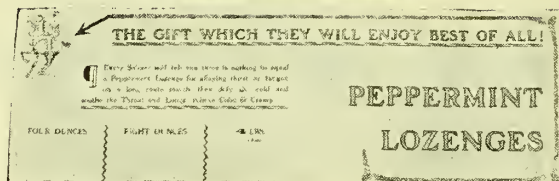


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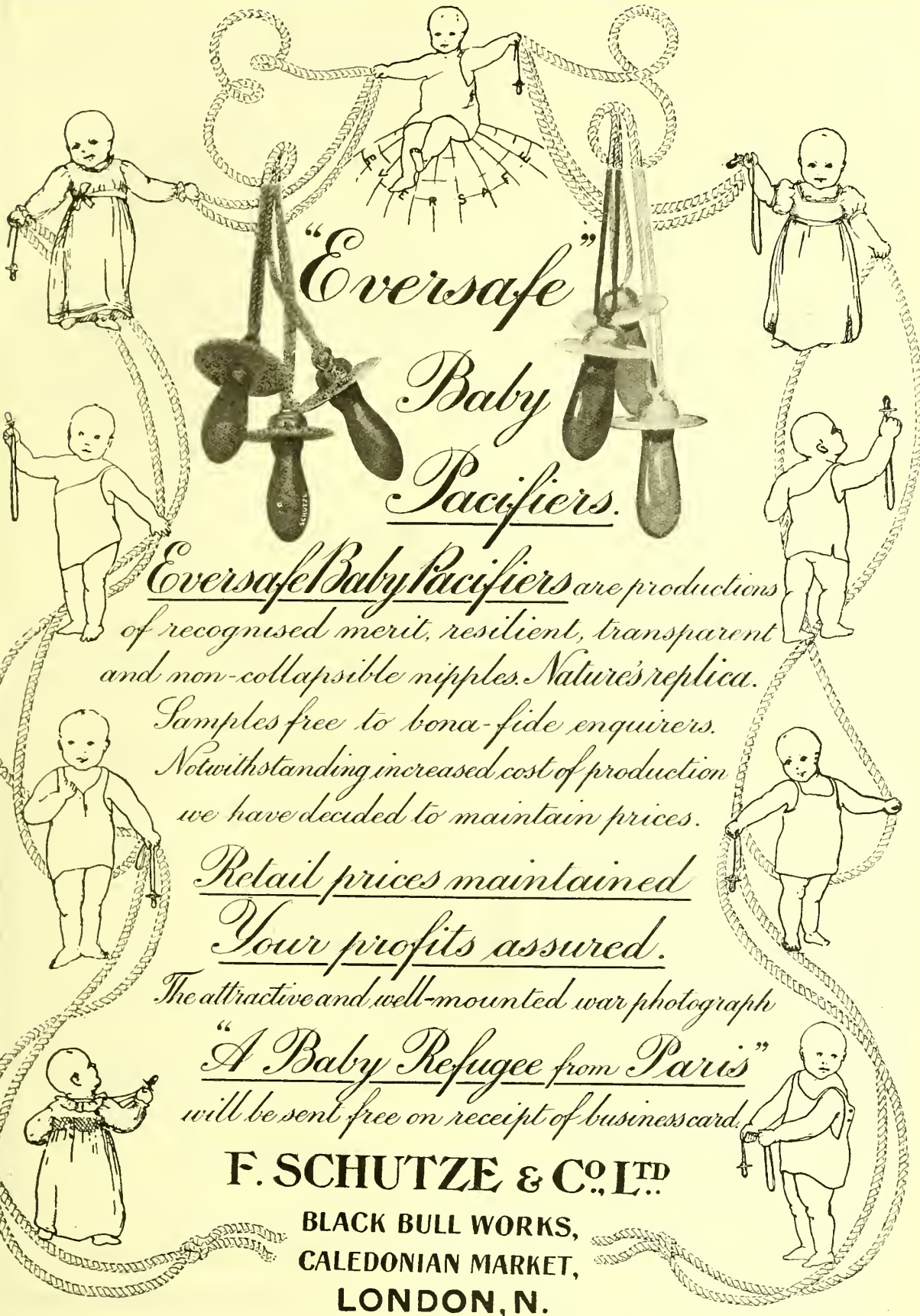


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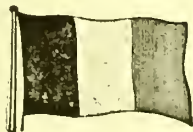
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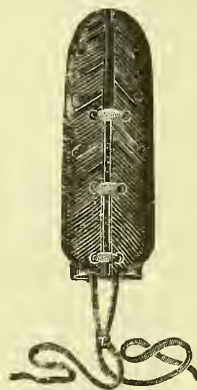
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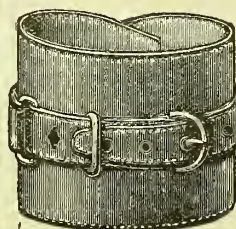
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(Delivered Free in London District)

1/- per doz. allowed on Bottles when returned.

Minimum Retail Price - 10d. per Bottle.

(P.A.T.A.)

IDRIS & CO., LTD., PRATT STREET,
CAMDEN TOWN, N.W.

Branches—LIVERPOOL, SOUTHAMPTON, CANTERBURY.

VITAGEN

(PURE MILK CASEIN WITH 5% SODIUM GLYCEROPHOSPHATE)

THE IDEAL TONIC AND NERVE FOOD.

A perfectly reliable preparation, identical in composition and otherwise superior to German preparations of the same class at half the price.

In 2 oz.	4 oz.	8 oz.	16 oz. tins.	} IN BULK, 2/6 PER LB.
9/-	13/6	22/6	45/- dozen	

ONLY TERMS—Cash with Order, less 20% discount.

FIRST-HAND DEPOT FOR MILK PRODUCTS.

PURE MILK CASEIN. PURE MILK CASEIN c. GLYCEROPHOSPHATES.
SUGAR OF MILK. MILK POWDER.

MILK POWDER, FULL CREAM, The ideal Infants' Food, superior to anything hitherto offered.

MILK AND MALT, FULL CREAM, TABLETS AND POWDER.

INQUIRIES INVITED.

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JOHN LORIMER, Balfour House, 119 Finsbury Pavement, LONDON, E.C.

AND AT MONTREAL AND TORONTO, CANADA.

ENGLISH MADE

Beef Tea & Consommé Cubes

FOR PACKING UNDER OWN LABEL.

Quality Unsurpassed.

Prices Moderate.

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ESTABLISHED 1865.

THERE HAS BEEN NO
CHANGE IN THE PRICES OF

Horlick's Malted Milk

OR

Horlick's Malted Milk LUNCH TABLETS!

Price List.

In Powder and Tablet Forms.

Packed in hermetically-sealed bottles as follows :—

Prices in England.	Liquid Capacity of Bottles.		
1/6 size	- 9 oz.	-	14/9 Per doz.
	Packed 1 doz. in a case.		
2/6 size	- 19 oz.	-	24/9 Per doz.
	Packed 1 doz. in a case.		
11/- size	- 98/oz.	-	108/- Per doz.
	Packed 2, 3 and 4 in a case.		

We pay carriage in United Kingdom on assortments netting £8 8s. 0d., provided 1/6 and 2/6 are in dozs. and the 11/- in threes or fours. We do not break original cases. Net monthly account. 1% for cash within seven days from date of invoice.

1/- Flasks, Tablets only, 9/- per dozen.

Packed 1 doz. in a carton for display on the counter.

Correspondence invited.

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ENGLAND.**

SANAPHOS

An organically Phosphated Milk Product,
prepared under strict scientific control.

A reconstructive Nerve Food.
MADE IN ENGLAND.

Nutrient, Restorative & Activating.

Effectively replaces the product of an Alien Enemy.

INDICATIONS.—Mental and Physical Fatigue,
and Nervous Breakdown, Insomnia and Neurasthenia.

Fixed Retail Prices :

1/-

1/6

2/6

5/-

Wholesale Prices :

8/6 per doz.

12/9 „

21/- „

42/- „

The above prices show a net profit to the Distributor of over

Thirty per cent. on Selling Price and over 40% on cost.

SPECIAL DISCOUNTS FOR LARGE QUANTITIES.

For Samples and all Particulars apply—

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Order a line of the wonderful new economical
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to retail at 1/4 per lb. ($4\frac{1}{2}$ d. per
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NOTE THE LIBERAL PROFITS TO THE TRADE—3d. on each lb. tin—
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No increase in the Price of any Plasmon Preparation.

ALL BRITISH GOODS — ALL BRITISH CONTROL.

PLASMON, LTD., FARRINGDON ST.,
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Lofthouse & Saltmer, Ltd.

Wholesale and Export Drug Merchants,
Manufacturing Chemists

HULL

Invite the Trade to take up the following valuable
P.A.T.A. Protected Lines, bearing a very large Pro-
tected Retail Profit, which sell freely and are well
known and valued by the Public in many parts of
the country.

	Protected Retail Price.	Dozen Net.
* LOSALL'S SALT (well advertised), tins	6d.	3 6
* " " " " " "	1/-	7/-
* " " " " " bottles in cartons	1/6	10/6

* Losall's Salt sells so well, surely it
must pay Pharmacists to stock such
a big profit-bearing protected line.

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated soap, especially suitable for use in Eczema. 1/- 8/-

Chemists requiring effective advertising matter for
Losall's Salt, &c., will, on application direct to
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Dummies, Showcards, Window Slips, Price Tickets,
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account open with the Firm.

**SPECIAL TERMS ARE OFFERED FOR
WHOLE OR PART WINDOW DISPLAYS.**

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ACTS LIKE
MAGIC

(EST. OVER 50 YEARS)

FOR

COUGHS & COLDS,

ASTHMA, BRONCHITIS,
WHOOPIING COUGH, &c.



"No case too bad!"

Proprietors: **MANDALL & CO., LTD.,**
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SAL HEPATICA

PUT UP FOR EXPORT.

Small Size, 3 oz. bottle, in case.
Medium " 7 " " "
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with Quinine

Requires **NO** license

when sold by Registered Chemists and Druggists.

The Excise Authorities and the Law say so!

On Saturday, July 4, 1914, the Recorder at the Bradford Quarter Sessions **ALLOWED AN APPEAL** by Mr. Oliver Hobson, manager to Messrs. Savage & Co., Ltd., Chemists, of 658 Manchester Road, Bradford, against the decision of the Bradford Justices who had previously fined Mr. Hobson £3, and costs, for selling Wincarnis with Quinine without a wine license. In allowing the appeal, with costs, the Recorder said that **the conviction was wrong.**

It is, therefore, an established fact that

NO LICENSE IS REQUIRED
to sell
WINCARNIS with QUININE

HOW IS YOUR STOCK?

COLEMAN & CO., Ltd., Wincarnis Works, NORWICH

H. E. STEVENSON & CO.,

122, GREAT SUFFOLK STREET, LONDON, S.E.
Wholesale Druggists and Manufacturing Chemists.

COD LIVER OIL EMULSION.

The superiority of our Emulsion is due to the special base used in its manufacture, resulting in a white, creamy, palatable and inseparable preparation, readily taken by children.

Inquiries from Colonial Houses are always welcome, and
any special combination desired : *e.g.* Creosote, Phosphorus,
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COD LIVER OIL EMULSIONS, CREOSOTED EMULSIONS, etc.

In white glass bottles and cartons.

4-oz.	6-oz.	8-oz.	12-oz.	16-oz.	24-oz.
5 -	6 6	8/-	10/6	13/6	20/- per dozen.

LESS A LIBERAL DISCOUNT TO LARGE BUYERS.

PARRISH'S SYRUP

Like the Emulsion, this Syrup is made by an original process from white Cane Sugar and chem. pure Phosphoric Acid, free from Silica, resulting in a brilliant and permanently bright preparation, free from any "inky" taste.

Mr. Stevenson was for many years a Director of
Baiss Brothers & Stevenson, Ltd.

K Y H O

Registered.

Registered.

(Protected by the P.A.T.A.)

The Wonderful New HAIR RESTORER

Cooling and refreshing to the scalp, promoting new growth and restoring the natural vigour of the Hair.

Contains no grease or colouring matter, yet has been found to revive the natural pigment.

Sold in bottles, 2/6; minimum retail price, 2/3.
To the Trade, 21/- per doz. from all the leading Wholesale Houses, or from the

KYHO PROPRIETARY, Ltd., 17 Victoria St., S.W.

A Special **BRILLIANTINE** and a **SHAMPOO FLUID** are also supplied to be used with **KYHO**. 1/- per bottle; 9/- doz. to trade.

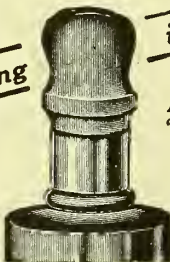
For further particulars see our full page advt. in "The Chemist & Druggist," March 30, 1912.

SEMREH**SELF-FIXING & AIR-TIGHT****BOTTLE CAPS**

PROMPT
DISPATCH

The Best Capping

Far superior to
Pleated Paper or
Leather Cappings



in the World.

NO INCREASE
in prices.

Apply now for Booklet
and full particulars.

The **VISCOSE DEVELOPMENT CO., LTD.**,
Bromley, Kent.

LOOFAH SOCKS

EACH PAIR IN A BAG AND EVERY
DOZ. IN AN OUTER—

25/- PER GROSS

LESS 7½%—
Cash 7 days

**SALE - GETTING SHOWCARDS
SUPPLIED**

**MADE IN BRITAIN
BY BRITISH LABOUR**

INSIST ON HAVING THE BRITISH-
MADE ARTICLE, AS HITHERTO 90%
OF THE LOOFAH SOCKS SOLD
HAVE BEEN MADE IN GERMANY

J. MORGAN DAVIS & SONS,
ESTAB. 1838. 278 Bishopsgate, London, E.C.

LOOFAH SOCKS

SPLENDID SELLER JUST NOW,
wanted all over the Country.

"SERVICE"
FOOT POWDER

A preparation composed of Boracic Acid and other Antiseptic ingredients, packed in smartly decorated tins, fitted with dredger tops.

X27 1½ × 2½ ... 1/8 per dozen.
X27L 2½ × 3½ ... 3/- " "

Attractive Showcards supplied.

The Tins can be had empty at 7/- and 12/- per gross respectively.

Plain dredger Tins also supplied for buyers wishing to use their own labels.

1d. line in card dredger, 8/6 per gross.
1d. " " ordinary wrapped package, 6/6 per gross.

SHIRLEY BROS., Ltd.
Whitecross Works, S.E.

**STIPENDUM
CORK
STOPPERS**

in all sizes suitable for
**KALIS, CITRATES,
DISPENSING, and all
FLUIDS.**

**STIPENDUM
COVERED POTS**

THE BEST FOR FACE AND TOOTH POWDERS,
PASTES, AND OINTMENTS.
GREASE PROOF.

For Samples & particulars apply to
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With which is incorporated the South London School of Pharmacy (founded by Dr. Mutter in 1868).

Principal—HENRY WOOTTON, B.Sc. Lond.

MINOR—JAN. 6 to the April Examination, £9 19s. 6d.

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EVENING CLASSES (MINOR and MAJOR)

Fee from 1 Guinea per term.

APOTHECARIES' HALL—Nov. 2. Fee 5½ Guineas per term.

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During the last Session 95 London College Students have been successful—**Majors 8, Minors 87.**

These numbers refer to Pharmaceutical passes only. Students passing the Preliminary, Apothecaries' Hall and other Examinations are not included.

The number of Students who have passed the Pharmaceutical Examinations from the London College, since its establishment, exceeds that from any other school.

For Prospectus, &c., apply to The Secretary, LONDON COLLEGE OF CHEMISTRY AND PHARMACY, 861 Clapham Road, London, S.W.

THE SCHOOL FOR SUCCESS!!

THE

South of England College of Pharmacy.

(Concilio et labore.)

186 CLAPHAM ROAD, LONDON, S.W.

Principal—H. LUCAS, Ph.C., F.C.S.

Assistant Masters—H. E. ARCHER, Ph.C.; H. STEGGLES, M.P.S.

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During the past session the results at the Examinations of Students from the College have been **excellent.**

Out of 66 presented 60 have passed!

MAJORS 5 (100%), MINORS 54 (90%). Irish Licence 1 (100%). N.B.—The Irish Gold Medal was awarded to a Student of this College during session 1913-14.

Half Term, Nov. 12: fee till January, 5 guineas.

Evening Classes are just forming for **MINOR and MAJOR;** join at once: fees from 1 guinea.

For all particulars apply—The Principal.

BY THE INDEPENDENT ROUTE.



Our New Free Booklet.

Send for it.

It tells of a Special Course whereby, no matter where you live, you can train for Pharmaceutical Exams. during spare time. This course is terse, clear, interesting. Many have passed exams. by this means. Why not you? Write to-day for free booklet.

NORTHERN COLLEGE OF PHARMACY,

100-102 BURLINGTON ST., MANCHESTER.

ELT'S,

North Finchley,
London, N.

EVERY STUDENT, full time and part time, who took a Course of Instruction in the London Labs. (Oct. 1, 1913—Sept. 1, 1914) and presented himself for Examination has

PASSED THE MINOR OR MAJOR.

Evening Classes for
MINOR AND MAJOR.

Wonderfully Organised Postal
Courses for all Exams.

The Secretary will send Little Red Book on Application.

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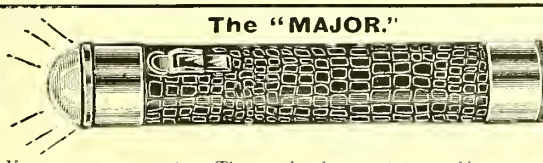
FINEST BRITISH MANUFACTURE.

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A very high-class Military Torch, with large and powerful Reflector and Bull's-eye Lens 2½ in. diameter. Complete with British-made Battery and Metal Filament Bulb. Price 10/- subject.

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Very strong construction. The metal ends are not stamped but turned and machined from the drawn metal and heavily nickelled. Complete with British-made Battery and Metal Filament Bulb (size 6½ × 1½ in.) Price 4/- subject. Ditto (size 9½ × 1½ in.) Price 6/6 subject. Large variety of **ELECTRIC TORCHES.** See our **NET TRADE SHEET.**



WATCH-SHAPED WAISTCOAT POCKET LAMP.

British Made.
Nickel-plated. Price, complete with Refill and Bulb, 2/6. Subject.

Send for our "N" Electric List of
Quick-selling Lines for the
CHEMIST.

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CONTRACTORS TO H.M. GOVERNMENT.
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TELEPHONE: 7083.4-5-6 CENTRAL.
GRAMS: "MULIUM MANCHESTER."

The "DAINTY" WAISTCOAT POCKET LAMP.



This beautifully finished Pocket Lamp fits in the waistcoat pocket. Real leather covering and heavily nickelled mounts.

Complete with Refill and Metal Filament Bulb. Price 2/6 each. Subject.

Splendid range of **POCKET LAMPS.** &c.

See
Special Sheet.



BRITISH MADE METAL FILA- MENT BULBS.

Supplied with In-
demnity Guarantee.
PRICE 6/6 DOZ.
Subject.
See Catalogue.



THE "VOLEX" REFILL. BRITISH MADE.

AS RECENTLY SUP-
PLIED TO H.M. WAR
OFFICE.

Nine months' guarantee.
Highly recommended for
the Colonies. Supplied
in attractive carton con-
tainer.

See Our Catalogue.



Telegrams:
"CHEMICKING, FEN, LONDON."

Telephone No.:
AVENUE 6660 (3 LINES).

63 CRUTCHED FRIARS,
LONDON, E.C.

Reitmeyer & Co.

for many years the Sole Sellers in Great Britain and English-speaking Countries of the products manufactured by

GIVAUDAN, LAVIROTTE & CIE	LYONS
SOCIETE de CHAMPLAN	BASTIA
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are first-hand suppliers of above firms' Specialities, viz.:

ACIDS: ACETYL-SALICYLIC, CITRIC, DIETHYLBARBITURIC, SALICYLIC
ALKALOIDS: ADRENINE, ARECOLINE, COCAINE, COTARNINE, ESERINE, STRYCHNINE, etc.
CACODYLATES, CREAM OF TARTAR
DIACETYLMORPHIA, ETHYL CHLORIDE
GLYCEROPHOSPHATES, GUAIACOL and preparations
HEXAMETHYLENTETRAMINE
LITHIUM SALTS
MERCURIALS, METHYLSULPHONAL
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SUGAR OF MILK, SULPHONAL
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LIMITED STOCKS OF ABOVE PRODUCTS
IN LONDON. SHIPMENTS POSSIBLE FROM
MARSEILLES AND GENOA.

BAISS BROTHERS & STEVENSON'S EMULSION

OF COD LIVER OIL

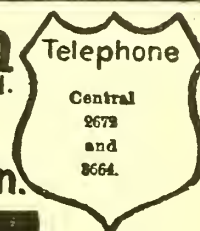
is the Emulsion that gained the **GOLD MEDAL** at the XVIIth International Congress of Medicine last year—a better Emulsion is not obtainable. We are prepared to book Winter requirements at Current Rates. Should the War be prolonged prices will rise; Pharmacists should therefore make sure of their supply **NOW**. Particulars on request.



Baiss Brothers & Stevenson
Limited.

MANUFACTURING CHEMISTS & WHOLESALE DRUGGISTS

174-175 Grange Rd., Bermondsey, London.



TWO SEASONABLE SELLERS.

Chilblain Ointment.

An effective and popularly priced product.
Put up in collapsible tubes to retail at 6d.
Six tubes in counter selling carton.

PRICE :

Minimum 3 dozen quantities, 3/- per dozen, printed with
customer's name and address.

Formalin Tablets.

A high-class, pleasantly flavoured tablet made
on the lozenge principle. Retains its strength
more effectively than compressed tablets.

PRICES :

Screw-Capped Bottles of 25, 2/6 per dozen. Retail at 6d.

„ „ „ of 40, 4/6 „ „ „ „ 9d.

(Customer's name and address on 2 dozen.)

Bulk, 1 lb. tins - - - - - 3/2 per lb.

„ 7 lb. tins - „ - - - - 2/9 „ „

QUOTATIONS SENT FOR LARGER QUANTITIES.

BRITISH MADE BY BRITISH LABOUR.

A. WANDER, LTD., 45 COWCROSS STREET, LONDON E.C.

WORKS : KING'S LANGLEY, HERTFORDSHIRE.

"DAILY MIRROR"**Photograph**

(Showing British Red Cross men
enjoying a well-earned rest
in France)

Developed with

'TABLOID' 'RYTOL'
(Trade Marks)



The All-British Developer

'RYTOL'

(Trade Mark)



Originated and manufactured entirely
by Burroughs Wellcome & Co. at
the 'Wellcome' Chemical Works,
Dartford, Kent.

British chemists and their photographic
customers are therefore free from any
dependence upon foreign patents,
foreign manufactures or foreign trade
mark names. 'RYTOL' is British in
conception, origin and manufacture.

It will pay you to tell your
customers that 'RYTOL' is
All British.

Whilst supplies of Metol, etc., may soon be
exhausted, there will always be an abundance
of 'RYTOL' in spite of the war.



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NEW YORK MONTREAL SYDNEY CAPE TOWN
MILAN SHANGHAI BUENOS AIRES BOMBAY

AUSTRALIAN TRADE.

H. B. SLEEMAN & CO., LTD.,
 of 84 Leadenhall Street, London, E.C.
 invite correspondence respecting suitable
 agencies on behalf of

Messrs. FRANCIS LONGMORE & CO.,
 of BOURKE STREET, MELBOURNE.

The *Lancet* de-
 scribes it as

"Mr. Bengers's
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 INFANTS**



BENGER'S FOOD LTD., Otter Works, MANCHESTER, Eng.

Branch Offices at: 117, Pitt Street, Sydney, Australia; 92, William Street, New York, U.S.A.
 Canadian Agents: The National Drug and Chemical Co., Ltd., Montreal and Branches
 ON THE P.A.T.A. SHOWCARDS AND HANDBILLS ON APPLICATION

The *British Medi-
 cal Journal* says:

"Benger's Food
 has by its excel-
 lence established a
 reputation of its
 own."

**INVALIDS
 AND THE AGED.**

45

DOES YOUR WINDOW REFLECT—?

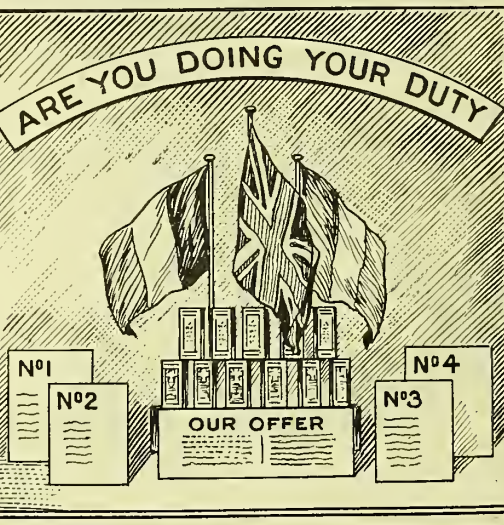
DOES it tell the outside world that you, at
 any rate, are going ahead—doing YOUR duty.

We find that Chemists who show in their Windows
 only those lines of general utility, who, in other words,
 give their customers some strong motive for purchase,
 are amongst those who report increased business,
 rather than business as usual.

**PROVIDE THAT MOTIVE TO-DAY
 AND YOUR CUSTOMERS WILL BUY
 AS FREELY AS BEFORE THE WAR.**

Some convincing Window Displays, giving common-
 sense reasons for purchase, are sent out with each
 of the following lines:—

**ALL DENTAL CREAMS.
 SMOKERS' TOOTH POWDER.
 STYM-PED FOOT SHAMPOO.**



Dental Cream Display.

**PY-SHAN POINTS TEA.
 ZEPTO TARTAR REMOVER.
 SHAMPOO.**

GIVE THE "MOTIVE" SUGGESTION A TRIAL. IT PAYS.

We shall be pleased to forward full particulars on receipt of a card.

THOS. CHRISTY & CO., 4-12 Old Swan Lane, LONDON, E.C.
 TELEPHONES: CITY 4278-9.



A Weekly Journal of Pharmacy and of the Chemical
and Drug Trades.
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is the leading journal addressing the Chemical, Drug and allied trades in the British Empire and other countries in the Old and New Worlds. It has a larger paid subscription circulation than any other Drug Trade Journal, and is the official organ of nineteen Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

Subscription *ree* a year in advance. Postal orders and cheques to be crossed "Martin's Bank (Limited)." Terms for advertising can be obtained on application to the Publisher at the

Head Office: 42 CANNON STREET, LONDON, E.C.

Telegrams: "Chemicus, Cannon, London." Telephone 3617 Central (three lines).
Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

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Coloured Supplement.

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SUMMARY.

Pills, powders, spirits, syrups, tablets, and tinctures of the new British Pharmacopoeia are dealt with on pp. 49-52.

Use of the salvarsan patents and trade-mark has been granted to Burroughs Wellcome & Co., but use of the Pebecol mark has been refused to Boulton-Macro (p. 40).

The Pharmaceutical Society has failed to secure the conviction of a grocer who sold Eade's pills and Harrison's pomade (p. 39). We question if the case is worth an appeal (p. 48).

Meister, Lucius & Brüning, Ltd., closed their Cheshire works after the war broke out. Mr. Justice Warrington has agreed to the Board of Trade's application to reopen them (p. 39).

The bulk of market changes are still downwards, including a reduction in benzols, formaldehyde, lead-products, American peppermint oil, phenolphthalein, hydroquinone, linseed oil, star-anise oil, kola, menthol, spearmint oil, and Japanese camphor. Chamomiles, codeine, and turpentine are among dearer products. Heavy chemicals show a fairly active market, but crude drugs are quiet (p. 55).

The Insurance Commissioners have modified the Drug Tariff in certain respects, smoothing the way to agreement, and have extended the time for settlement to October 30. The smoothing process has been aided by a conference of representatives of the British Medical Council and the Pharmaceutical Society. We refer to the whole matter editorially (p. 47), and report a meeting of Scots chemists at which the basis of their 1915 agreements was settled (p. 54).

The C. & D. Diary 1915.

The chemical and drug trades of this country have been little affected by the war. Business is good. It will be better after the war is over—at Christmas or thereabouts, some authorities suggest. This means that the chemical and drug trades should anticipate the New Year's boom in business, and in this advertisements in the *C. & D. Diary 1915* will help them greatly. Write about it now to the Publisher, 42 Cannon Street, London, E.C.

European War.

To Followers of the Kaiser.—British men of learning have replied to the German professors, whose manifesto about the war, and against this country, was quoted in the *C. & D.*, September 26, p. 73. The reply says: "The German professors appear to think that Germany has in this matter some considerable body of sympathisers in the Universities of Great Britain. They are gravely mistaken. Never within our lifetime has this country been so united on any great political issue. We ourselves have a real and deep admiration for German scholarship and science. We have many ties with Germany, ties of comradeship, of respect, and of affection. We grieve profoundly that, under the baleful influence of a military system and its lawless dreams of conquest, she whom we once honoured now stands revealed as the common enemy of Europe and of all peoples which respect the Law of Nations. We must carry on the war on which we have entered. For us, as for Belgium, it is a war of defence, waged for liberty and peace."

Pharmaceutical Roll of Honour.

Non sibi sed patriæ.—CICERO.

In our issue of September 19 we commenced publication of the names of men connected with pharmacy and the chemical and drug trades who are serving with the Colours in the British Army. A few are also serving in the Navy or Naval Reserve. Similar lists have been published in each issue since. We now print a number received since October 14. Others should be sent to the Editor before Wednesday, October 28, when we hope to enumerate all the names. Portraits of young chemists and pharmacists (in uniform) who have actually gone to the Front may also be forwarded to the Editor.

AITKEN, Captain Arthur Campbell, chemist and druggist, son of Mr. Robert Aitken, of H. C. Baildon & Son, Edinburgh, 9th Batt. (Highlanders) Royal Scots.

ANDERSON, David (with Lewis & Burrows, Ltd., London), R.A.M.C.

BUNKER, 2nd Lieut. S. W., chemist and druggist (son of Mr. C. J. G. Bunker, chemist and druggist, Twickenham), 6th Batt. Royal Fusiliers. Lieut. Bunker arrived home from Malaya last week.

CARRUTHERS, Sergt. J. W. (with H. C. Baildon & Co., Edinburgh), 5th Batt. Queen's Edinburgh Rifles.

CLARK, Edward C. (nephew of Mr. J. T. Kingzett, London), 12th County of London Regiment.

CRIPPS, E. G., son of Mr. E. C. Cripps, chemist, Berkhamstead, 4th Cameron Highlanders (T.).

DONALDSON, R. T. (lately with Messrs. T. Ridley & Son, chemists, Carlisle), 4th Batt. Border Regiment.

GORDON, W. G. (lately with Mr. John Lockerbie, chemist, Dumfries), Lanarkshire Imperial Yeomanry.

HEATH, Charles (son of Mr. C. Heath, of Heath Bros., Manchester), Public Schools and University Corps.

HEYWOOD, Stanley (lately apprentice with Messrs. W. Elain & Sons, chemists, Bolton), R.A.M.C. (T.).

HOOKE, Quartermaster C. W. (outdoor dispenser, West Ham), R.A.M.C.

HORTON, Bombardier J. G. (formerly with Mr. T. R. Perkins, chemist, Henley-in-Arden, and with Mr. H. Riden, chemist, Harrow), Royal Horse Artillery, 1st South Midland Mounted Brigade.

JACKSON, George (lately with Professional and Civil Service Supply Association, Ltd. Drug Department), R.A.M.C.

JOHNSTONE, C. C. (lately with Mr. C. T. Bennett, chemist, London), R.A.M.C.

KELVIN, Mr. G. D. (lately with Messrs. T. Ridley & Co., chemists, Carlisle), Westmorland and Cumberland Yeomanry.

NEWMAN, 2nd Lieut. R. L., son of Mr. R. S. Newman (Newman's Drug Stores), Plaistow, 6th Batt. Essex Regiment, late University of London O.T.C.

PALMER, T. S. (with Lewis & Burrows, Ltd., London), Northumbrian Fusiliers.

PEEBLES, David J., M.B., Ch.B., son of Mr. T. S. Peebles, chemist, Lochec, leaves this week for service with the R.A.M.C. on the Continent.

PERDIE, Bugler John (lately apprentice with Mr. Carmichael, chemist, Glasgow), Scottish Rifles.

QUELCH, Herbert G. (son of Mr. Henry C. Quelch, of Henry C. Quelch & Co., London), Honourable Artillery Company.

RIDLEY, E. H., chemist and druggist (son of Mr. T. Ridley, Ph.C., Carlisle), Surrey Yeomanry.

RITCHIE, Lieut. W. R. (Scottish representative of Messrs. Sparks, White & Co., London), 11th Batt. Scottish Rifles.

ROBINSON, W., chemist and druggist (until recently on the staff of the American Drug Supply Co., London), Notts and Derby Regiment, R.A.M.C.

SANDISON, Private Burnet (with H. C. Baildon & Son, chemists, Edinburgh), 9th Batt. (Highlanders) Royal Scots.

SAYER, Private R. E. (lately with Mr. F. B. Wooddisse, chemist, Kenilworth), 4th Public Schools Battalion, Royal Fusiliers.

WALTON, Staff Sergt. Fred G., chemist, Darlington, 2nd Northumbrian R.A.M.C. Mr. Walton received his discharge a fortnight ago.

B

night since, owing to medical unfitness for further medical service, after over eighteen years' service as a Volunteer and Territorial. His son, F. Walton, is a bugler in the 2nd Northumbrian R.A.M.C.

WHITE, Richard Pycroft, chemist and druggist, son of Mr. W. Everard White, chemist, Gainsborough, R.A.M.C.

MANUFACTURING AND WHOLESALE.

The following lists of members of the staffs of business houses who are serving with the Colours have been received since our last issue. The names of such of those as are chemists and druggists are included in the alphabetical list given above:

W. J. Bush & Co., LTD., LONDON.—C. Austin, F. H. Baker, W. H. Bartram, W. Beccor, W. Brown, A. E. Clark, A. H. Devine, D. Galasham, H. Gale, A. E. Gregory, H. G. Groves, C. F. Harris, J. W. Heaty, E. C. Lovelock, J. E. Oliver, J. B. Parker, H. Pontard, F. Ranwell, G. H. T. Row, C. Sawkins, E. T. Woodcock, and A. T. Wright, Infantry; T. Alloway, A. G. Baker, F. J. Baker, F. T. Branch, H. King, G. J. Oliver, J. H. Smith, and T. C. Smith, Engineers; A. Keen, Ambulance; A. Leach, Artillery; S. H. White, Ordnance; G. W. Brereton and J. T. Martin, Marines; F. C. Herbert, E. Rourke, and A. E. Wilkins, Royal Navy.

DAVIES, SONS & CO., DERBY.—Additional: Driver W. Beardsall, Midland Field Ambulance, R.A.M.C.

D. & W. GIBBS, LTD., LONDON.—Privates T. R. Gibbs and F. Jewell, 28th County of London Regiment (Artists' Rifles); Quartermaster-Sergt. Cropper, 11th Batt. Manchester Regiment; Sergt. Speckman, Privates Cropper, Lloyd, Jacobs, Morris, Robinson, Fisk, Gudge, and Adams, 17th Batt. London Territorials; Privates Bird, Ripp, Whiting, A. Steptow, D. Steptow, and Barlow, Duke of Cornwall's Light Infantry; Private McKie, London Irish Rifles; Private Church, City of London Fusiliers; Private Gray, 7th Gloucester Regiment; Privates Crockett and Fairfield, Royal Fusiliers; Private Smith, 10th Cavalry Reserve Regiment; Private W. Jewell, Honourable Artillery Company; Private C. Jewell, M. T. Army Service Corps, 7th Indian Division, Expeditionary Force; Seaman Henderson, Naval Reserve; Seaman Baldwin, H.M.S. *Sapphire*.

T. MORSON & SON, LONDON.—D. Stewart, Duke of Cornwall's Light Infantry; W. Hockey, Sussex Regiment; T. Smith and A. Sinclair, City of London Territorials.

OPPENHEIMER, SON & CO., LTD., LONDON.—Additional: H. C. Stafford and Jas. Spink, Royal Naval Volunteer Reserve.

STOTHERTS, LTD., ABERTRON, NEAR MANCHESTER.—Private A. Thompson, Black Watch; Private A. Turner, South-West Lancashire Territorials; J. R. Hunt, J. McCool, and H. Guthrie, Motor Transport Service.

LONDON COLLEGE OF PHARMACY.—The following students of the College are serving with the British or French Forces: W. Fletcher Barrett, W. Chappell, H. C. Ellis, T. B. Harvey, C. Hoyer, W. Roberts, W. T. Smith, H. L. Watney, and R. P. White. As previously intimated, the Principal will be glad to receive the names of "Cyanides" serving with the British Army in any capacity.

Personal a.

Mr. A. E. Corker and Mr. L. A. Morelli, from the C. & D. staff, who are serving with the Royal Field Artillery, have been promoted corporal and bombardier respectively.

Mr. Alexander Walker, chemist and druggist, The Dispensary, Jedburgh, has been appointed pharmacist to the Red Cross Hospital at Dalmeny House, the residence of Lord Rosebery.

Mr. Gaspar Clark, Royal Naval Volunteer Reserve, whose name appeared in the Pharmaceutical Roll of Honour (C. & D., September 26, 1914, p. 61), was in the trenches at Antwerp with the Naval Brigade. Mr. Clark was employed with Oppenheimer, Son & Co., Ltd., London, previous to joining the Colours.

Among the signatories of the reply to German professors in "The Times" of October 21 are: Professor Sir Clifford Allbutt, Cambridge; Professor Sir C. B. Ball, Dublin; Sir Thomas Barlow, Bart., President of the Royal College of Physicians, London; Professor A. J. Brown, Birmingham; Sir W. W. Cheyne, Bart., London; Professor J. Norman Collicle, London; Sir William Crookes, O.M., P.R.S.; Sir Rickman J. Godlee, London; Sir Oliver Lodge, Birmingham; Sir Donald MacAlister, Glasgow; Sir William Macewen, Glasgow; Sir H. A. Miers, London; Sir W. Osler, Oxford; Professor W. H. Perkin, Oxford; Sir William Ramsay, K.C.B., London; Lord Rayleigh, Cambridge; Sir Ronald Ross, London; Professor Arthur Schuster, Manchester; Sir J. J. Thomson, Cambridge; Sir William Turner, Edinburgh; and Sir Alroth Wright, London.

Miscellaneous

The War Office has accepted a gift of 500 gals. of acrosyl to be distributed among the military hospitals in the United Kingdom.

Some Welsh newspapers have blundered in giving their readers the impression that saccharin is to be made in South Wales from coke-oven by-products.

On Monday, October 19, the Germans seized at Selzaete, Flanders, near the Dutch frontier, a tar-refinery belonging

to Burt, Boulton & Haywood, Ltd., and confiscated much benzine, of which they are sorely in need.

Messrs. Dunckley & Co., London Fields, N.E., recently made a gift of Tenax dressings and other useful articles to the British Red Cross, which were acknowledged in "The Times," but the trade-mark word "Tenax" (Messrs. Southall Bros. & Barclay's, whose dressings were presented) was printed "Lenax."

At a meeting on October 16 of the Canadian Section of the Society of Chemical Industry the question was discussed of manufacturing certain chemicals of which there is a short supply in Canada owing to the war. Every encouragement is to be extended to British manufacturers, so as to keep trade within the Empire.

The General Executive Committee of the Formby (Lancs) War Relief Fund have accepted the offers of Mr. J. F. Woods, chemist and druggist, and Mr. R. H. Wilson, chemist and druggist, Freshfield, to dispense free till the end of the year medicines prescribed by local medical men for the wives and children of men on active service.

Among the Belgian refugees who arrived at Cardiff on October 10 was Mr. Henry Du Bois, a solicitor, of Seilles, in the province of Namur. "At Seilles," he said "they (the Germans) shot 150 citizens; in fact, they ran wild, firing at everyone in sight. I observed that most of them belonged to the 76th Regiment of Infantry, and when they first alleged that the water had been poisoned, they captured four of the leading chemists of the town and shot them."

At the annual convention of the National Association of Retail Druggists held at Philadelphia it was agreed to ask Congress to reform the patent laws so as to permit the manufacture in the United States of certain chemicals the supply of which from Germany has ceased owing to the European war. Another resolution condemned the action of wholesale dealers and manufacturers of drugs, chemicals, and medicinal products in advancing unnecessarily the price of essential medical commodities.

The "British Medical Journal" (October 3, p. 591) gives an interesting account of the origin of the Red Cross organisation. The founder was M. Henri Dunant, who was born at Geneva, and was greatly influenced by the work of Florence Nightingale. The scenes on the battlefield of Solferino gave rise in his mind to the idea of a world-wide organisation to tend the wounded. The form of the well-known Red Cross flag was intended to be a compliment to M. Dunant's native country, the Swiss flag being a white cross on a red ground.

The Imperial Institute has been authorised to open a new Technical Information Bureau to deal with inquiries relating to the supply of raw materials which have hitherto been monopolised by Germany. India and the Colonies have supplied large quantities of raw materials, including palm-kernels and copra, to Germany, and it is now hoped to transfer much of this business to the oil-seed crushing centres of Hull and Liverpool. A statement giving full information regarding the German palm-kernel industry is published in the current issue of the "Bulletin" of the Imperial Institute.

The Decimal Association makes, in a circular-letter, a point about capturing German trade—viz.: "The metric system of weights and measures prevails in the great majority of neutral countries with which hitherto Germany has carried on a very large trade, and if the efforts to capture that trade are to be successful, British manufacturers and shippers must adapt their methods to those of their customers. This is made quite clear by the recent Board of Trade reports, which confirm what this Association has been preaching for years past." The Association will be glad to do its best to help manufacturers and merchants who need advice on this subject. The address is Finsbury Court, Finsbury Pavement, London, E.C.

News of German Pharmacy.

THE EXPORTATION FROM and transport through Germany of vegetable fatty oils, fatty acids, and fresh and dried egg-albumen are prohibited, but the prohibition has been revoked of the exportation of mineral waters.

CHEMICAL-WORKS OF HARBURG-STASSFURT.—The directors hope to keep the works going up to the middle or end of November. The dividend is reduced from 11 per cent. in 1913 to 8 per cent. now, in consequence of the war.

SCOTT'S EMULSION.—The Scott's Emulsion Co., Frankfurt-a-Main, has written to the "Pharm. Zeit." protesting that it is not an English concern. The business was founded by two Americans, and the present proprietors are Mr. Scott's heirs, who live in Switzerland.

CHARLES SCOTT, a pharmacist from England who has been some time in Berlin, and is about forty years old, was found

last month on a seat in the Tiergarten in an unconscious condition. He was removed to the hospital, where the doctors found that he had taken poison.

BENZINE AND BENZOL.—The German Government has commandeered existing stores, but the sale of benzol to a limited extent, and chiefly for household purposes, is permitted. Dr. Karl Dieterich, Helfenberg, has communicated to the "Pharm. Zeit." a number of formulae for substitutes.

HEALTH INSURANCE DRUGS.—The Deutscher Apotheker Verein has asked the Prussian Home Department to sanction increased prices for those drugs in the official tariff for which pharmacists have had to pay more. An increase has already been sanctioned in the case of surgical dressings.

THE HARBEN MEDAL.—The daughter of the late Robert Koch has offered to the German Red Cross Society the gold Harben medal which was bestowed on her father by the London Institute of Public Health. The Committee, however, has refused to accept the medal, as its sentimental value greatly surpasses the value of the gold.

IODINE AND SANTONIN.—The "Pharm. Zeit." states that there are large stocks of crude iodine in Hamburg, sufficient to meet the world's requirements for several years, and that the shortage of the product in Austria and Switzerland is due solely to the prohibition of its exportation from Germany, but the Home Department is releasing this in certain circumstances. The stocks of santonin are also sufficient to last for several years.

PROPRIETARY MEDICINES.—The "Münch. Med. Wochenschr." has joined in the boycott of British and French proprietary medicines by giving equivalents of some of them. They include Allenburys black-currant pastilles, bismuthinoids, tabloid preparations, Bishop's citrate of magnesia, Brand's essences, Califf, Elliman's embrocation, and Eno's salt, besides a number of American remedies, including Bromidia, Fellows' syrup, Listerine, and Seabury & Johnson's plasters.

SIMPLIFIED PROVISIONAL EXAMINATIONS.—The Bundesrat decided when the war broke out (and owing to urgent need in all departments) that committees for medical, dental, veterinary, and pharmaceutical examinations should be authorised to grant a provisional diploma of physician, dentist, veterinarian, or pharmacist to candidates who intended to enter for the final examination. Under the order such candidates are admitted to a simplified examination on producing evidence of training in all the branches.

CAPTURE OF GERMAN TRADE.—The "Apotheker Zeitung," commenting upon a translation of the observation by "Xrayser II." in the *C. & D.*, September 12, adds: "These perverted reasonings show as clearly as possible that Englishmen are afraid that the world outside Germany will regard their economic honesty as being of as much consequence as their political honesty. Too late, my dear!" [The observation thus criticised was a note by "Xrayser II." in sympathetic reference to German culture. We feel sure that "Xrayser II." will not do it again.—EDITOR *C. & D.*]

THE DEUTSCHER APOTHEKER VEREIN'S forty-third annual meeting was to have been held at Frankfurt from September 7 to 10, but was postponed, and the officers are regarded as re-elected. In a report which has been issued it is stated that the Council have addressed a petition to the Kaiser about the grievances of apothecaries, and they have actually told him that in the matter of professional education Germany is behind Spain, Portugal, France, Holland, Italy, Hungary, Belgium, Sweden, Switzerland, Greece, Roumania, Servia, and even Russia! A cruel thing to say just now, surely.

PROPOSED GERMAN GLYCERIN EXCHANGE.—Dr. Karl Braun, director of the Soapmakers' Union in Berlin, writes to the "Vossische Zeitung," pointing out the desirability of making Germany independent of foreign countries in regard to glycerin. The fixing of the world's prices for glycerin in Paris, says the writer, cannot be taken seriously any more. The intention of founding a German glycerin exchange is not new, but the present time is regarded as auspicious. Dr. Braun outlines his proposals, intimating that every member would notify purchases or sales to the Exchange, with the quantity, delivery terms, price, discount, analysis, and country of destination; the name of buyer and seller would not transpire. The Exchange would calculate the average price, and publish every week a report.

DR. A. SCHNEIDER, of Dresden, as one of the editors of the "Pharmaceutische Centralhalle," has appealed to his readers in neutral countries to contradict the lies and calumnies of Germany's enemies, and especially asks them to state, among other things, that "trustworthy communications show that fifteen ironclad battleships of England's fleet were destroyed by the Germans before September 24, 1914." [Dr. Schneider's communications are certainly not trustworthy. Up to October 19 three armoured cruisers,

four light cruisers, one gunboat, and one submarine of the British Navy had been sunk by German mines and torpedoes, and not a single one more. In the same period seventeen ships and submarines of the German navy and five of its armed merchant vessels had been destroyed by the British Navy.—EDITOR *C. & D.*]

WAR CHEMICAL COMPANY.—A company with headquarters at Hofmannhaus, Berlin, was formed on September 28, under the title of Kriegeschemikalien A.-G. (War Chemical Company), to regulate the purchase and supply of chemicals required for war purposes. The company has a share capital of 6,000,000m., of which 25 per cent. has been paid. It will pay neither dividends nor liquidation profits. The president is Dr. Aufschlaeger, of Hamburg (of the Dynamit A.-G. vorm. Nobel), and the directors include Dr. F. Oppenheim, of Berlin (Akt.-Ges. für Anilin-Fabrikation), Dr. von Boettinger (Farbenfabriken vorm. Friedr. Bayer & Co.), Dr. Duisburg, Dr. Emil Fischer, Dr. O. Frenzel, Dr. Haeuser (Höchst Farbwerke), Dr. Hattenmüller (Badische Anilin- und Soda-Fabrik), Landmann, Dr. E. ter Meer (Chemische Fabrik vorm. Weiler ter Meer), Th. Plieninger (Chem. Fabrik Griesheim-Elektron), and Karl von Weinberg (Leopold Casella & Co.).

GERMAN CHEMICAL INDUSTRY.—Professor Dr. Otto N. Witt, who was educated in this country, contributes to the "Chemiker Zeitung" some observations on German chemical industry during the war. He claims superiority for the German industry over the English, and attributes this to continuous labours of the Germans in contradistinction to Englishmen, "each of whom," says he, "claims his week-end relaxation, while hundreds of thousands of them fill their days by playing golf and their evenings with playing bridge." Referring to the manufacture of sulphuric acid, Dr. Witt states that Germany gets her raw material from Spain and Portugal, but the imports have stopped, and the raw material may now be obtained from Norway and Italy. In Hamburg there are large stocks of Louisiana sulphur. It is suggested in regard to the manufacture of nitric acid that the Chilean sodium nitrate should be used exclusively for the manufacture of explosives, and synthetic nitrate afterwards be substituted for the Chilean nitrate, as a speedy increase of the production of synthetic nitrate cannot be assured. The production of hydrochloric acid has greatly decreased on account of the demand by synthetic-dye manufacturers having diminished. Dr. Witt remarks that the bisulphate formed in the manufacture of nitric acid may be used with common salt to make hydrochloric acid, and, if that is insufficient, electrolytic chlorine and hydrogen must be used to make hydrochloric acid, for, he remarks, the old process is only employed because the glass industry requires sodium sulphate. Dr. Witt also deals with the German potash industries, the electrolytic-alkali industry, and the production of hydrogen for airships, the last being made by the Badische Anilin- und Soda-Fabrik for synthetic ammonia. The article concludes with a reference to the advanced prices of heavy chemicals, especially salts of copper, nickel, and mercury. Chromium salts are also becoming scarce. As to iodine, he says it can be made from Baltic and North Sea seaweed.

Pharmacy in Austria-Hungary.

CONSIDERABLE alterations have been made in the regulations for the pharmacists' curriculum in Hungary. These are in the direction of stringency, and come into force forthwith. One of the provisions is that a candidate who fails three times in the first examination is not allowed to continue his pharmaceutical studies. It is also required that the licence to carry on business can only be obtained by examination at the same university where the pharmacist obtained his diploma. There is also an examination for "doctor of pharmacy."

Fertilisers.

Among the pamphlets recently issued by the Board of Trade is one dealing with German and Austro-Hungarian trade in fertilisers in neutral markets. The exports from Germany (1912) were basic slag, 1,368,200t.; ammonia sulphate, 702,800t.; superphosphates, 934,200t.; other manures, 315,200t.; or a total of 3,370,400t. The value of similar exports from Austria-Hungary (1913) was 445,400t., and from the United Kingdom the exports reached 5,745,500t., of which 4,390,500t. consisted of ammonia sulphate. In basic slag Germany has an overwhelmingly strong position in the Netherlands, Italy, and Russia. In New Zealand we do the larger part of the trade, but German competition is strong in the smaller Colonial markets. Two-thirds of Germany's exports in sulphate of ammonia go to the Netherlands and Belgium. German and Austrian competition is keen in the Italian market, but elsewhere we hold a very strong position.

ENGLISH AND WELSH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

An outbreak of fire occurred last week at the warehouse of Mr. W. Pollard, chemist and druggist, Bishopgate, Wakefield.

A poison-licence has been granted by the Corporation of Kingston-on-Thames to Messrs. J. & B. Marsh, seedmen and millers, of London Road, Kingston.

In a further article of the series entitled "Insects and War," by Dr. A. E. Shipley in the "British Medical Journal," the flour moth in soldiers' biscuits is dealt with.

The Southwark Board of Guardians has referred to the Finance Committee requests by contractors for weekly or fortnightly payments of their accounts on the ground that business is at present being conducted on a cash basis.

The Local Government Board has sanctioned the gratuitous distribution by Bermondsey Borough Council of diarrhoea-mixture to the poorer inhabitants of the borough until March 31, 1915, subject to such limitations as may be held necessary by the medical men responsible.

Parke's Drug Stores, Ltd., have a large exhibit at the three days' exhibition of the Richmond Camera Club, which was opened on October 21 by Mr. Geo. Cave, K.C., M.P. At their East Sheen branch a Trafalgar day trophy is being exhibited, replicas of which are being sold on behalf of the "Daily Telegraph" Belgian Relief Fund.

Mr. W. Everard White, 7 Market Street, Gainsborough, is making a seasonable display for an agricultural district of carbolised wheat-dressing and blue vitriol, the centre of attraction being a model cornstalk which was built by one of his old assistants who a few years ago relinquished pharmacy for farming. Mr. White has had a number of offers of help for threshing-day!

Six persons have lost their lives through taking poison during the week. In four cases the poison was taken with suicidal intent. The substances involved were ammonia (2), laudanum (1), nicotine weed-killer (1), and spirit of salt (2). In the case of a child who died from laudanum-poisoning the laudanum was obtained from a chemist who was told it was for a poultice. The Coroner's jury exonerated the chemist from blame.

An Ancient Survival.

On Friday, October 16, a Court Leet of the Royal Manor of Southwark held its annual meeting. This Manorial Court is one of the few attached to old Royal Manors which have survived, in spite of many attempts to bring them to an end. The Court was presided over by Sir Forrest Fulton, and among the fifteen members of the jury present were Dr. Alfred Matcham, Mr. F. W. Truman, Mr. W. P. Parry, and Mr. Ernest J. Parry, B.Sc. A collection for the Belgian Refugees' Fund was taken in the room, and as a result 17*l.* 17*s.* was handed to the Chairman as a subscription to that fund.

Early Closing of London Shops.

At a meeting convened by the Early Closing Association in Anderton's Hotel, London, on October 20, it was decided to assist the police authorities in their precautionary efforts for the safety of London, and that an appeal should be made to Parliament to pass a Bill, immediately on opening, closing shops in London on three nights a week not later than 8 o'clock, on two nights not later than 9 o'clock, and on Saturdays not later than 10 o'clock.

Guardians' Doings.

At a meeting of the Congleton (Cheshire) Guardians on October 9, the Clerk read a letter from the local Pharmacists' Association expressing pleasure that the Board had decided to have dressings supplied by local chemists. The Association were, however, at a loss to know why the Board should procure drugs from an outside source,

and asked the Board to consider the matter. It was resolved that the letter be handed to the medical officer (Dr. Riddell) for his observations.

Sheffield.

A very good programme for the session has been drawn up by Mr. Furnival, the new Secretary of the Sheffield Pharmaceutical and Chemical Society. In view of the unsettled state of the country the annual dinner is to be postponed. A whist-drive will be held, the proceeds of which will be given to the Lord Mayor's Fund.

The shortage of chemicals owing to the war has occupied the attention of the Sheffield University authorities, with the result that a University Scientific Advisory Committee has been formed, consisting of the staffs of the Faculties of Science, pure and applied, and of the Department of Economics. It is suggested that the resources of the University shall be available, as far as possible, in the following ways:

(1) By directing manufacturers, experimenters, and inventors to scientific and technical literature bearing upon the difficulties that present themselves in dealing with new problems.

(2) By putting manufacturers in touch with suitable scientific and expert opinion, and by giving such other help and advice as it may be within the power of the staff to give, on the understanding that no work shall be done by the Committee which could be dealt with in the ordinary way of business by the local professional experts.

Any person residing within the area covered by Sheffield University who desires such assistance should apply by letter to Dr. W. E. S. Turner, Secretary, Applied Science Department, St. George's Square, Sheffield.

Contracts for Drugs, etc.

We have received notification of settlement of the following Government and other contracts:

Crown Agents for the Colonies.—Down Bros., London, for hospital fittings.

Hertford and Ware Hospital Board.—Mr. J. H. S. Lewis, chemist and druggist, Ware, for medical sundries.

India Office.—City Glass Bottle Co., London; W. Toogood, Ltd., London; J. A. Curle, Ltd., London; Eclipse Glassworks, London; Lewis & Towers, Dalston Junction, for bottles (running contracts). Price's Patent Candle Co., for glycerin.

Stafford Guardians.—J. & H. A. Averill, chemists and druggists, for drugs and appliances.

Marleybone Guardians.—Corbyn, Stacey & Co., Ltd., for a fortnight's supply of drugs (25*l.*) and druggists' sundries (21*l.* 16*s.*).

Following a report by the medical officer, that no steps had been taken by the contractors to remedy a complaint regarding the quality of the carbolated creosote supplied, the Public Health Committee of the Tottenham District Council instructed the Clerk to request the contractors to remove the inferior creosote and to replace it forthwith up to the standard of the sample submitted with their tender; also that in the event of non-compliance with the order, the Council will purchase elsewhere and charge any difference in cost against them.

From Various Courts.

At Marlborough Police Court on October 20, Frederick Shamberger, described as a manufacturing chemist, of German nationality, residing at Fitzroy Square, London, was sent to prison for six months, to be followed by deportation, for having in his possession thirty-one cartridges and a box containing shot. The police suspected the prisoner of espionage.

At Middlesbrough Quarter Sessions on October 17, John Wesley Lloyd was indicted for maliciously breaking two plate-glass windows at the pharmacy of Mr. E. D. Owen, Victoria Road, Middlesbrough, doing damage to the extent of 7*l.* 10*s.* He pleaded guilty, and, in view of his previous good character and the fact that he had paid the damage, he was bound over to come up for judgment if called upon.

Orlando Edgar Miller, of Spring Grove House, Isleworth, was charged at the Old Bailey on October 21 with the manslaughter of Miss Kate Addison Scott, to whom he had administered hyoscine as part of his faith-healing consumption treatment (*C. & D.*, June 13, 1914, p. 36). He was found guilty, and on October 22 Mr. Justice Rowlatt sentenced him to three months' imprisonment in the second division.

IRISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

Dr. P. Merrin, Ph.C., Mount Clarence, Kingstown, has been appointed a Justice of the Peace.

Messrs. McClinton, Ltd., of Donaghmore, have presented for Lord Kitchener's Army 14,000 sticks of shaving-soap to be distributed among Belfast recruits.

Mr. Wm. Abernathy, an assistant with Messrs. Reynolds, Ltd., druggists, Dungannon, met with a severe accident last week as a result of his motor-bicycle skidding.

Mr. Bernard Hirson, Ph.C., the Rathmines Pharmacy, Dublin, received a prize of 1*l.* and certificate at the recent examination of the Royal College of Surgeons and Physicians in Ireland for surgery.

Mr. William Murphy, Ph.C., The Pharmacy, Mitchelstown, was at the annual meeting of the Cork County Old-Age Pensions Committee, appointed a member of the Sub Committee for the Mitchelstown district.

Mrs. Catherine Dobbin, The Grange, Annadale Avenue, Belfast, has during the past few days sent consignments of clothing to London for the Belgian refugees. Contributions of clothing are being received daily for her at the premises of Messrs. Wm. Dobbin & Co., wholesale druggists, North Street.

The Chemists' and Druggists' Society.

A meeting of the committee of the Chemists' and Druggists' Society of Ireland was held on October 20 in the Society's room, 11 Waring Street, Belfast, the President (Mr. W. J. Gibson) in the chair. There was a good attendance. A letter was read from Mr. R. A. Jamison, one of the Hon. Secretaries, resigning his position on his having joined Kitchener's Army. It was unanimously agreed not to accept the resignation, but to hold the position open for Mr. Jamison till his return. The members expressed their best wishes for his safe return. A discussion took place as to the programme for the winter session, and it was arranged that the President should hold a reception on November 25.

SCOTTISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Aberdeen.

The report of the directors and balance-sheet of the Northern Co-operative Company, Ltd., for the half-year ended August 31, 1914, which was issued on September 24, shows that the total sales of the five branches amounted to 3,134*l.* 13*s.* 6*d.*, showing a net profit of 492*l.* 15*s.* 9½*d.*, compared with 307*l.* 4*s.* 10½*d.* for the corresponding period of 1913. The total sales for the year September 1913 to August 1914 totalled 6,387*l.* 17*s.* 7*d.*, being an increase of 1,021*l.* 6*s.* 4*d.* on the preceding year.

Edinburgh.

Councillor Inman was appointed last week to a vacancy in the list of Assistants of the Edinburgh Merchant Company.

As a result of an Admiralty order to the Corporation, the lighting of the city is being reduced. Sky signs and all powerful lights used for advertisements or the illumination of shop-fronts are to be discontinued, and intense inside lighting in shops must be subdued.

Mr. W. S. Glass, Ph.C., delivered in the Goolld Hall, on October 13, the first of a series of lectures on commercial subjects to be given during the coming winter, under the auspices of the Edinburgh and Leith Merchants' Defence Association, Ltd. Mr. Glass dealt with "Competition in Trade."

Glasgow.

A lady customer entered a city pharmacy the other day and purchased a number of toilet-articles, amounting in all to two or three shillings, handing to the astonished pharmacist in payment a number of the familiar green prescriptions, with the remark, "I think that will just come to the amount." The customer explained, in answer to the pharmacist, that she had been attending her panel doctor, but had not taken the medicine, and, as it would be all the same to the chemist, she thought she might get something else.

FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

M. AUDOUX, pharmacist at Saint-Loup (Deux-Sèvres), has published a little volume on pharmacist-poets entitled "Cristaux et Colloides." It contains 180 short poems.

M. EUGÈNE DECAUCHY, expert at the Central Pharmacy of Paris Hospitals, has received a bronze medal for thirty-two years of devoted service to the Assistance Publique (Poor-law Administration).

BINODIDE OF MERCURY, according to the communication made by MM. Stassano and Gompel to the Academy of Sciences, is superior as a bactericide to either bichloride or benzoate. It is, they state, ten times more effectual than the bichloride.

PROMOTIONS.—M. Froment, of the Central Military Pharmacy, Paris, has been promoted to the grade of first-class pharmacist-major in place of M. Rouvet, who has retired. M. Gaulier has been appointed second-class pharmacist-major in place of M. Froment.

THE ACADEMY OF MEDICINE has unanimously passed the following resolutions: (1) That all members of the Academy hold themselves at the Government's disposal for all posts and employments in which they can serve their country (*être utiles à la Patrie*); (2) that the Superior Institute of Vaccine be commandeered by the Army Sanitary Department, and its provision of animals, fodder, etc., be thus assured; (3) that the authorities draw public attention to the desirability of extensive and immediate revaccination, in view of the danger of smallpox outbreaks so common in wartime; (4) that, in view of the possible danger of typhoid, the Minister of the Interior should favour anti-typhoid vaccination.

THE SCIENTIFIC RESEARCH FUND, founded by the French Government in 1902, receives 4,000*l.* a year from the proceeds of the "Pari-Mutuel" (Government racecourse betting system), a subvention of 1,400*l.*, and the interest of various legacies, about 600*l.* The interest will this year be increased owing to the Loutreuil bequest of 40,000*l.* "for the encouragement of scientific research outside biological studies." The annual report for 1913, which has just been published, states that a total of 217,000*fr.* was distributed in that period. The recipients included Professor Calmette, Professor Gueguen, of the Paris School of Pharmacy, Paul Becquerel, Armand Gautier, and M. Delpéch.

THE WAR.—The "Journ. de Pharm. et de Chimie" reports that M. Henri Emery, pharmacist, attached to the temporary military hospital at Elbeuf, died on September 12. He was fifty years old.—M. Léopold Delépène, pharmacist in the Cochon Hospital, infantry sergeant, took part in the battles of Montmirail and Meaux. He was wounded in the attack of Brimont on September 17 by a shell, but has completely recovered.—M. Guillermin, auxiliary pharmacist of the Ambulance of the 14th Army Corps, has been mentioned in an Army Order, with several doctors, for the coolness, zeal, and devotion which they have shown in rendering services under the heaviest fire.

WHO IS THIS PERFUMER?—A Bordeaux paper tells of one of the wounded German prisoners in a local hospital, in whom the paper's representative recognised a perfumeryman whom he used to know in the German quarter around the Faubourg-Poissonnière, Paris. At Cologne when the war broke out, this German joined his regiment at Chemnitz on August 5. He had been at the siege of Liège, fought the British at Mons, faced a bayonet-charge of Turcos, crossed the Aisne in imminent danger of drowning, and escaped without a scratch till struck down at Lagny. He was thus captured and sent to Bordeaux. As a soldier he had nothing to grumble about, but as a perfumer he was ruined; and he thought whoever was responsible for the war ought to be hanged.

PEPPER to the extent of 1½ million lb. was imported into Baltimore from the Dutch East Indies and Holland in 1913.

AUSTRALASIAN NEWS.

"The Chemist and Druggist" is subscribed for and supplied weekly to all the members of nine Chemists' Societies in Australia and New Zealand.

New South Wales.

THE DENTISTS ACT AMENDMENT BILL, introduced into the Legislative Council, provides that no one will be permitted to practise dentistry unless he is actually registered. The definition of dentistry is as follows: "A person practises in dentistry if he, for fee, salary, or other reward, performs any operation on the human teeth or jaws, or artificially restores lost teeth or jaws or portions of jaws, or treats diseases, lesions, or corrects mal-positions in human teeth or jaws; but the above definition shall not apply to the mechanical construction by an artisan of artificial dentures or other devices."

THE NEW PHARMACOPEIA.—The Council of the Pharmaceutical Society met on July 14, when it was stated that the Council had been in communication with the Health Department regarding the new B.P. According to the Health Act of New South Wales, all pharmacopoeial medicines must be of the quality indicated in the latest B.P., and when the Pure Foods Act was discussed the Society received an assurance from the Health Department that ample time would be allowed in the event of a new B.P. being published. It was decided that the President and Secretary should interview the President and Secretary of the N.S.W. Branch of the British Medical Association, with a view to approaching the Health Department to arrange a date on which the new B.P. should come into force.

New Zealand.

SALE OF ALCOHOL BY CHEMISTS.—An amendment of the Licensing Act is to be considered, making it clear that chemists may sell medicinal preparations and perfumes containing spirit.

Victoria.

POISONS ACT AMENDMENT.—The Bill which is before the Legislature has passed to the Legislative Council. Some discussion took place as to the distinction between wholesale and retail transactions in poisons, and it was agreed to endeavour to find some means of making the difference clear. By an official amendment bottles of two quarts or over are not required to be made distinguishable by touch.

NATAL NEWS.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is subscribed for and supplied weekly to all the members of the seven Chemists' Societies in British South Africa.

MR. W. COOK, late of Turner & Co., Maritzburg, has taken over the pharmacy of Mr. Robertson, Malvern, who died in England a few weeks ago.

PHARMACY BOARD ELECTION.—The result of the election was that Messrs. D. S. B. Anderson, G. Stuart Jones, and

Morris W. Stranack were elected as representatives of chemists for a term of five years. The Government representatives are Messrs. C. A. Fawcett and J. E. Marchant. Mr. Stranack is well known in England, as he studied in London, passed the examinations of the Pharmaceutical Society of Great Britain, and was for three years a director of Messrs. C. J. Hewlett & Sons, Ltd. He is now a partner in the firm of Stranack & Williams, 320 West Street, Durban. Other particulars of his career were given in the *C. & D.*, January 31 (p. 169). Mr. Stranack is President of the Pharmaceutical Society and the Durban Savage Club.



MR. M. W. STRANACK.
(From a Cartoon by "Wig.")

THE WAR has had a retarding influence on business here, as in other parts of the world. The drug shortage is the most serious state of affairs with which chemists have to contend.

MR. THOMAS HANNAH, Amersfoort, Transvaal, has petitioned the Natal Pharmacy Board to demand from the Administration copies of the records of the three trials in which he was the defence, and to give the matter their consideration, with a view to affording him the "relief that justice, equity, morality, and intelligence demand."

PHARMACEUTICAL SOCIETY.—A meeting was held on September 24 at Durban, when there were present Messrs. Stranack (Chairman), Jones, Cooper, Firth, Roadknight, Johnston, Murray, Anderson, Gale, Dawber, and Goodbrand (Hon. Secretary). A letter was received from Mr. T. Hannah, Amersfoort, enclosing a copy of a petition which he has sent to the Pharmacy Board. Mr. P. Whyte, Empangeni, was elected a member. Messrs. Stranack, Jones, and Anderson, the newly elected members of the Natal Pharmacy Board, thanked the members for the support given them. The question of the scarcity of drugs was next considered. The President pointed out that this matter had been taken up by the Pharmaceutical Society of Great Britain, and the medical profession circularised. He wanted an expression of opinion as to what course should be followed. After a lengthy discussion, it was resolved to adopt Mr. Johnston's proposal that the matter be left to the Executive to deal with, and report to the next meeting. It was considered inadvisable to issue circulars at present, as the shortage is not a vital matter just now. If in the future the importation of drugs is curtailed, further steps will be taken to deal with the situation.

News from Egypt.

(By the "C. & D." Correspondent.)

THE PROSPECTS for next winter are not encouraging, and it is uncertain whether at Cairo there will be any "season" at all. Government officials have left their families at home, but the presence of larger numbers of British troops will benefit chemists who cater for English trade.

EGYPT, being entirely dependent on outside supplies, is experiencing a scarcity of drugs and chemicals, which will rapidly increase in intensity if the war is prolonged. A state of war having been proclaimed, we are cut off, writes our correspondent, from our usual source of supplies, as England has forbidden the export of most medicines. At a meeting of the Cairo Association of Pharmacists it was resolved to request the Government to allow Egypt to be treated on the same footing as the British Colonies in case the prohibition of imports should be modified in their favour, as has already been done as regards coal.

NETHERLANDS NOTES.

THE STOCK of Formalin in Holland is very small, and public authorities have been recommended to use other disinfectants whenever this is possible.

PATENT APPLICATION.—The annual report of the work of the Board of Trade for 1913 deals with the applications for patents, the countries from which the applications were received, and the class of goods to which the patents referred. The applications included 343 from residents in Holland, 812 from Germans, and 228 from the United Kingdom. A good proportion dealt with substances used in the chemical industry. There were also in 1913 1,785 applications for trade-marks, 176 being from the United Kingdom.

GROWING MEDICINAL PLANTS.—There is a movement on foot to found an association for establishing apothecaries' gardens, the object of which will be the study of the most favourable conditions for the growth of medicinal plants. The movement has grown out of the scarcity of certain vegetable products created through the war. Several important medicinal plants are already grown in Holland, and since the Middle Ages the country has been famous for its botanical gardens, from which various plants were garnered for use in medicine.

OLIVE-CULTIVATION IN GERMAN EAST AFRICA.—For some years experiments in the cultivation of olives have been carried on by settlers in Leganga, German East Africa. Plants have been imported from Palestine and have been established in the Kilimanjaro and Meruberge districts, and very favourable results have been obtained. As the forests of those regions contain wild-olive-trees, improvement of the latter will be attempted.—*Der Tropenpflanzer*.

LEGAL REPORTS.

TRADE LAW.

Keeping Receipts.—In the City of London Court, before Mr. Registrar Wild, on October 20, Faudels, Ltd., Newgate Street, E.C., sued Mrs. V. Lawrence, Twickenham, for the balance of account for lime-juice and lemonade crystals bought by her in their warehouse, and handed to the carrier in June 1912 for delivery. The defendant said she had dealt of the plaintiffs for eight years, and had always paid cash for her goods. The plaintiffs had never allowed her credit. The Registrar gave judgment for the defendant, remarking that he did not think it was reasonable to ask people to keep receipts for small amounts for two years.

Legal Rights of Alien Enemies.—Last week the following decisions were given in the Law Courts as to the rights of alien enemies in the courts:

No alien enemy interested in an alien vessel or cargo captured or detained has a right to be heard in the English courts.—*Sir Samuel Evans.*

An alien enemy plaintiff cannot sue if objection is taken by the defendant who is not an alien enemy. An alien enemy cannot pursue a counterclaim. If an alien enemy defendant is proceeded against he has a right to appear and defend.—*Mr. Justice Bailhache.*

An alien enemy plaintiff duly registered in this country is entitled to pursue an action, even if objection is taken by a defendant who is not an alien.—*Mr. Justice Sargant.*

A Tarragona-wine Account.—At the Lambeth County Court on October 16, Beaufoy & Co., 87 South Lambeth Road, Lambeth, S.W., brought an action to recover 3*l.* 10*s.* 5*d.* for a consignment of Tarragona wine against Coles & Co., chemists, 25 High Street, Halesd, Essex. There was a counterclaim for 10*l.* for damages for loss of trade, defendants maintaining they were supplied with British instead of true Tarragona wine as ordered. In the course of the hearing it transpired that the wine had been imported from Bordeaux. James Coles, jun., for the defence, said they had a lot of complaints about the wine, which he tested by tasting, and declared to be raisin-wine flavoured with Tarragona. Nevertheless his Honour gave judgment for the plaintiffs on the claim for 3*l.* 0*s.* 5*d.*, with costs, and for the defendants for 1*s.*, without costs, on the counterclaim.

Trading with the Enemy Act, 1914.—The first application to the High Court under Section 3 of this Act was made to Mr. Justice Warrington, sitting in the Chancery Division on October 20. The application was by the Board of Trade for the appointment of a controller of the business of Meister, Lucius & Brüning, Ltd., chemical-manufacturers, Ellesmere, Cheshire. The Section states that:

"Where it appears to the Board of Trade in reference to any firm or company (a) That an offence under this Act has been or is likely to be committed in connection with the trade or business thereof; or (b) that the control or management thereof has been or is likely to be so affected by the state of war as to prejudice the effective continuance of its trade or business, and that it is in the public interest that the trade or business should continue to be carried on: the Board of Trade may apply to the High Court for the appointment of a controller of the firm or company, and the High Court shall have power to appoint such a controller, for such time and subject to such conditions and with such powers as the Court thinks fit, and the powers so conferred shall be either those of a receiver and manager or those powers, subject to such modifications, restrictions, or extensions as the Court think fit. . . . The Court shall have power to direct how and by whom the costs of any proceedings under this section and the remuneration, charges, and expenses of the controller shall be borne and shall have power, if it thinks fit, to charge such costs, charges, and expenses on the property of the . . . company in such order of priority in relation to any existing charges thereon as it thinks fit."

The company is the British branch of the well-known German house; 69,880*l.* of its 70,000*l.* capital is owned by shareholders in Germany, its four directors are German subjects, and the general manager and secretary is Dr. Martin Liebert, Manchester, a naturalised British subject. The factory has been closed since the outbreak of the war by order of the directors. This application was for the appointment of Sir William Plender as controller, the Board of Trade being of opinion that it is in the public interest that the business should be carried on. His Lordship, in assenting to the application, gave a learned judgment in regard to the procedure which should be followed in making such applications, the evidence required before they are granted, and the form that the Court order should take. His Lordship thought that in this (as well as other cases) the business ought to be continued. He held

that in that and in all similar applications the Court must accept as sufficient evidence such information as their officials could collect, that the controller must give security, and that such applications should be by way of motion, and not petition. He directed that Sir William Plender should report every three months to a judge in chambers on the business and render accounts, and that he should make a final report when the position was abolished.

Chemists' Per Contra Accounts.—In the West London County Court, before Sir W. Lucius Selfe, on October 20, Mr. J. W. Feltwell, chemist, Hammersmith Road, claimed 3*l.* 3*s.* 6*d.* for goods supplied to Nelson & Co., chemists, Maclise Road, West Kensington. Mr. Leslie Smith, who appeared for the plaintiff, said it had been the practice of the parties to supply each other with goods which one had ordered and had not in stock. Recently, however, the defendants had not been so accommodating as for some years previously, and the plaintiff asked to have his account so that the dealings might be squared up. Defendants, however, did not render the desired statement, and it had been thus necessary to apply to the Court in the matter. Plaintiff, in his evidence, said the sum sued for was for drugs and patent foods supplied, and he produced the written orders which he had received from the defendants. He had also had goods from them, and had asked for an account of these by letter and had also sent his assistant and his son for the statement, but he had never had an account. He had been forced to take these proceedings to bring the matter to an end. The defendants' principal stated, in reply to his Honour, that the amount of their account was 2*l.* 12*s.* 10*d.*, and judgment was given for the plaintiff for the amount claimed, with costs, plaintiff to allow the defendants the amount of his account off the sum sued for, the balance to be paid in fourteen days.

Thermos Flasks.—In the City of London Court on October 16, Thermos, Ltd., 8 Long Lane, E.C., sued Mr. C. E. H. Calvert, 74 Market Street, Chorley, Lancashire, to recover 1*l.* 19*s.* 1*d.* for Thermos flasks supplied. Judge Atherley-Jones, K.C., said that the defendant had written to the Court to point out that it was stated upon Thermos flasks that they were of German manufacture, and that while English firms had extended his credit the plaintiffs had taken legal proceedings. As plaintiffs were a foreign firm, he questioned whether he should pay them the account. The Court must be told whether the plaintiffs were Germans or not. Plaintiffs' solicitor's clerk stated that the plaintiffs are not a German firm; there are no German directors. Judge Atherley-Jones, K.C., desired to make it clearly understood that where the profits of a company or business go to an alien enemy, whether that alien enemy is domiciled or carrying on business in this country or in a foreign country, this Court would not assist that alien enemy to recover money from a British subject. It did not matter who the directors or managers were. The question was where the proceeds went to. That was not any vindictive action on the part of the Court, but following the ordinary course pursued by belligerents in the case of war. If it were established that a substantial part of the profits went to British subjects or friendly aliens the plaintiffs would get judgment, but not otherwise. He adjourned the case for a week for this to be done.

Pharmacy Acts.

THE DELVE CASE RECALLED.

At St. Neots County Court, before Judge Wheeler, K.C., on October 13, R. Landin, grocer, Kimbolton, Hunts, was sued by the Pharmaceutical Society of Great Britain, under Section 15 of the 1868 Act, for the recovery of 5*l.*, a penalty alleged to have been incurred on June 8 through the sale of veratrine, a poisonous vegetable alkaloid, contained in Harrison's Nursery Pomade, and colchicine, a poisonous vegetable alkaloid, contained in Eade's Gout and Rheumatic Pills. Mr. C. J. Smart (Cambridge) appeared for the Society, and Mr. S. G. Wilkinson (St. Neots) for the defendant, who admitted the sale and that the preparations contained poison. The purchase was proved by George Waldoek, agent for the Society, and Mr. Harry Moun, Deputy-Registrar, appeared to submit the authority of the Council to prosecute, which his Honour questioned, thinking that the Registrar himself should appear, but he allowed the case to proceed. The witness proved that the defendant's name is not on the Register of chemists and druggists, and this concluded the evidence, whereupon Mr. Wilkinson submitted that the case had not been proved, quoting the judgment by the Queen's Bench Division of the High Court in *Pharmaceutical Society v. Delves* (C. & D., 1893, 11, 664). In that case a County Court Judge had held that the relative quantity of poison in a preparation containing poison sold by an unregistered person is bound to be proved before there can be conviction

under Section 15. Mr. Justice Charles was of opinion that the Judge was right in so deciding, and Mr. Justice Wright concurred. Mr. Wilkinson now argued that this High Court decision applied in the present case, as there was no evidence at all as to how much poison was in either of the articles sold. He submitted Goodall, Backhouse & Co.'s price-list of patent and proprietary medicines to show that Eade's Pills are not classified among those containing poison, and explained that the pomade is for children's heads, and is not meant to be taken internally. Mr. Smart replied that it was quite immaterial to prove the quantity of poison, and after an argument his Honour concluded that he could not overrule the High Court decision. Further, he did not think that the prosecutors had proved that the articles sold were poison. He accordingly refused conviction, and gave costs on Scale "B" in the event of a case being stated.

Trade-marks of Alien Enemies.

THE applications made this week to the Comptroller at the Patent Office for the suspension of trade-marks of alien enemies include the following:

Strobin.

Mr. A. Hagon, chemist and druggist, Cardiff, applied for the suspension of the trade-mark Strobin (282,921). He did not appear, and after waiting for a quarter of an hour the Comptroller decided to hear counsel opposing the application. Mr. Sebastian appeared for Messrs. Thomas Christy & Co., who are the exclusive purchasers of Strobin for this country, also for France and Spain. Counsel explained that Strobin is a powder for cleaning straw hats. He thought that applicant would have some difficulty in proving that it is to the general interests of the country that the mark should be suspended, considering that there are half-a-dozen similar articles on the market already. Messrs. Christy hold a large stock of Strobin, which is made under a secret process. There is enough Strobin in hand to last for two years. Counsel did not deny that the article is made in Germany, and that the trade-mark is in the name of a German subject, but he contended that Messrs. Christy have made the trade here. He doubted whether the application came within the rules at all. It is not a question of an important medicine.

The Comptroller: It looks as though the applicant is not going to appear. He would probably say, however, as has been said in similar cases, that the public demand this particular article, and that therefore he wishes to use the name.

Mr. Sebastian: When an article is successful other people would often like to sell it. The public associate Messrs. Christy with the article.

Sir Cornelius Dalton: If applicant were selling exactly the same thing would it be difficult to show it?

Mr. Sebastian: Strobin is made by a secret process, but very likely analysis would disclose its composition.

Sir Cornelius Dalton: Is applicant now selling it?

Mr. Sebastian: We do not know much about applicant, except that he has a substantial shop in Cardiff. We have had no communication from him.

The Comptroller said he would report to the Board of Trade, and, in reply to an application for costs against Mr. Hagon, said he would note the application, but he did not think that he had power to grant them.

Blankit.

The next case was an application by Messrs. A. Boake Roberts & Co., Ltd., Stratford, for the suspension of the trade-mark Blankit (288,726 and 307,557) registered in the names of the Badische Anilin- und Soda-Fabrik and the Badische Co., Ltd.

Mr. Evans Jackson appeared for applicants.

In reply to the Comptroller as to why two identical marks should be on the Register, Mr. Johnson, for the Badische Co., said it was by consent of the Registrar and agreement between the two owners. Mr. Johnson added that his clients did not wish to pose as an English company.

Mr. Jackson then made his application. Blankit, he said, is sodium hydrosulphite, a bleaching-agent used in the dyeing-trade, the sugar-industry, and in the manufacture of gelatin. There is a very large demand for the article which the owners of the mark are not able to supply. Blankit is made under two patents, the first, dated 1899, having expired. The second patent is dated 1905. His clients proposed to make the chemical by their own improved process. Letters were put in showing that the owners of Blankit cannot now supply.

Some discussion took place between Mr. Jackson and the Comptroller as to the legitimacy of calling sodium hydro-

sulphite Blankit when it was not made according to the patent, but Mr. Jackson contended that if the identical substance is produced it does not matter how it is made.

Mr. Johnson said the Badische product is free from arsenic and iron, and importance is in consequence attached to the word.

Sir Cornelius Dalton: The patent does not say anything about arsenic or iron.

Mr. Jackson: Boake Roberts will guarantee that their product shall be the same as Blankit. It was proposed to use the word "Abrac" in connection with Blankit to show that it is made by Boake Roberts. If the Board of Trade make it a condition, Boake Roberts would make the product under the patents and apply for a licence under the unexpired patent.

Mr. Johnson contended that the application for a licence should have been made first. He further explained that there are two products, "Blankit" and "Blankit B." The article made under the second patent keeps better, as it is free from water. It will be made on a large scale at the Mersey Chemical-works as soon as the plant can be got into working order.

In reply to the Comptroller as to the demand for Blankit, Mr. Jackson said it must be from 300 to 500 tons per annum.

Mr. A. E. Berry, a director of Boake Roberts & Co., was examined as a witness. He stated that his company are the largest manufacturers of sulphites and bisulphites in this country. The difficulty of obtaining the use of duty-free spirit has been a handicap, but that difficulty can be overcome now. Professor Green had called at the company's works to see if Blankit could be made there. Telegrams had been received from users imploring the company to get on with the manufacture. Witness considered that the process which his company had devised is superior to that used by the Badische Co. The test of quality is the bleaching capacity. In reply to Mr. Johnson, witness said the process which would be used is a secret one. The product would be commercially pure.

Sir Cornelius Dalton: Would you be prepared to make it under the 1905 patent if you obtained a licence?

Mr. Berry: Yes, if that were a condition of the suspension of the trade-mark.

In reply to the Comptroller, Dr. Erhardt, of the Badische Co., explained that it would not be necessary to enlarge the Mersey Chemical-works, as the demand for Blankit has gone down owing to the stoppage of the importation of the dyes in conjunction with which it is used. He stated further that there are different kinds of Blankit, one containing an excess of alkali. It is also sold as Berbo for laundry use.

Mr. Johnson mentioned that it is synthetic indigo with which Blankit is used in dyeing. He added that there are two sets of chemical-works—the Mersey Chemical-works; which are run by three German firms, and the works at Ellesmere Port, belonging to Meister, Lucius & Brünig and two other German firms.

Some conversation took place as to whether Blankit indicates a patented article or only the source of supply, and the Comptroller said it might be a question for consideration, after the war, whether the Register should not be purged of marks indicating patented articles.

A report is to be made to the Board of Trade.

For the result of prior applications see p. 48.

BANKRUPTCY REPORT.

Re Paul Villain, 14 Effra Road, Brixton, Chemist.—The public examination of this debtor took place at the London Bankruptcy Court on October 20 upon accounts showing total liabilities 1,113*l.* 2*s.* 2*d.* (unsecured 995*l.* 18*s.* 3*d.*) and assets valued at 42*l.* 11*s.* 3*d.* The debtor is a Frenchman, and had previously failed in August 1910, when he traded as a soap-maker at 264 Goswell Road. Since then he had been employed as a chemist and expert perfumer, and is now in receipt of a yearly salary of 400*l.*, with a percentage of the profits. He attributed his present failure to excess of expenditure over income and heavy interest charges on borrowed money. The examination was concluded.

DRUG-CULTIVATION.—Mr. W. A. Whatmough, B.Sc., A.I.C., contributes to "Nature" (October 15) an article in which he discusses "The Cultivation of Medicinal Plants in England." He concludes that the area under medicinal plants in this country will be considerably extended as a result of the situation created by the war, and expresses the hope that when this is over and foreign supplies are again available the necessary moral and patriotic support to prevent it from relapsing will be forthcoming.

BIRTH.

Authenticated notices are inserted without charge.

KNOX.—At 83 Grant Street, Burghead, Morayshire, on October 17, the wife of George Knox, chemist and druggist, of a daughter.

MARRIAGES.

Authenticated notices are inserted without charge.

BARRON—HUGH.—At Longside, Rayne, by the Rev. Mr. McDonald, United Free Church, Oyne, on October 16, William Barron, chemist and druggist, Edinburgh, to Isabella Baxter, second daughter of Mr. William Hugh, Kirkcaldy.

HOWARD—BACHELOR.—At St. Mark's, Shirley, on October 14, John E. Howard, late of South Africa, to Mrs. Batchelor, widow of the late Mr. A. E. Batchelor, of S. Batchelor, Ltd., chemists and druggists, Fareham, Hants.

STEWART—BRUCE.—At Darling's Hotel, Edinburgh, on October 14, James M. R. Stewart, chemist and druggist, Aberlour-on-Spey, to Margaret Fraser, eldest daughter of Mr. Alexander Bruce, 61 Leamington Terrace, Edinburgh.

THIEM—TILLEY.—At St. Saviour's Church, Brixton Hill, London, S.W., by the Rev. S. R. Cambie, on October 12, Walter, youngest son of the late Mr. A. M. Thiem and Mrs. Thiem, Edinburgh and Glasgow, to Violet, only daughter of Mr. James W. Tilley, F.C.S. (co-managing director of Stevenson & Howell, Ltd.), and Mrs. Tilley, Beecham Avenue, Stratham, London, S.W.

DEATHS.

Authenticated notices are inserted without charge.

HICKS.—At Edinburgh, on October 20, Mr. Charles T. Hicks, J.P., chemist and druggist, Rothsay, aged about sixty-nine. Mr. Hicks succeeded to his father's business in Rothsay. He entered the Town Council of the burgh twenty-five years ago, and had held the offices of Magistrate and Treasurer. He was a J.P. for the county of Bute. He retired to Edinburgh some time ago on account of his health.

LEE.—At 5 Marton Road, Middlesbrough, on October 15, Geoffrey Emerson, the only son of Mr. Arthur Lee, chemist and druggist, aged five.

LYOYD.—At St. Peter's Vicarage, North Shields, recently, Mr. W. Lloyd, chemist and druggist, formerly of High Street, Carnarvon, aged eighty. Mr. Lloyd retired from business some years ago.

MARSDEN.—At 40 Flixton Road, Urmston, near Manchester, on October 15, Mr. James Marsden, chemist and druggist, late of 9 Lancaster Road, Preston, aged eighty-two.

MASON.—On October 3, Mr. Robert Crump Mason, chemist and druggist, Bromsgrove, aged eighty-one. Mr. Mason was registered as in business before August 1, 1868.

RICHMOND.—Suddenly, at Scottsbank, Elgin, on October 16, Mr. Archibald Richmond, chemist and druggist, Elgin.

THACKERAY.—At Dr. Steevens' Hospital, Dublin, on October 13, Mr. Henry Clement Thackeray, Ph.C., after two days' illness from double pneumonia. He was the youngest son of the late Dr. Thackeray, and passed the Pharmaceutical Licence examination in 1902. His experience was gained with the Junior Army and Navy Stores and Woods, Webb & Co., Dublin. A few years ago he was an active promoter of the Irish Chemists' Assistants' Association, and since then he has carried on business at Queen Street and Stephen's Street, Dublin. He was a widower, and leaves two young children.

WILKINSON.—At 10 Crown Street, Halifax, on October 19, Mr. John Henry Varley Wilkinson, chemist and druggist, aged forty-eight. Mr. Wilkinson was for some time chief chemist to Messrs. A. Abid & Co., Hyderabad and Secunderabad, Deccan, India.

Killed in Action.

SHERRINGTON.—On September 20, William Sherrington, of the South Lancashire Regiment, who before going to the Front was employed by Lewis & Burrows, Ltd., at 146 Holborn Bars, London, E.C.

PHARMACEUTICAL SOCIETY OF IRELAND.**Council-meeting.**

THE first meeting of the reconstituted Council was held at 67 Lower Mount Street, Dublin, on Tuesday, October 13, the members present being Messrs. Thomas Batt, G. D. Beggs, Joseph H. Bowden, John Burnett, Wm. Doig, Wm. J. Hardy, William Jamison, John Smith, James Tate, D. M. Watson, and W. F. Wells. Mr. Watson took the chair. Mr. Blair wrote stating that he was unavoidably detained by business. Mr. Samuel Orr, the winner of the Society's Silver Medal, wrote thanking the Council for it.

ELECTION OF PRESIDENT AND OFFICERS.

Mr. BEGGS, in proposing that Mr. Watson be asked to act as President for the coming year, said that he had done the work of the Society well, and had left nothing undone that could be done to advance its interests.

Mr. JAMISON, in seconding, remarked that the interests of the Society would be quite safe in the hands of Mr. Watson: they could not have a better man as President. (Applause.)

Mr. TATE endorsed these remarks, and put the motion to the meeting; it was carried unanimously and amid applause.

Mr. WATSON thanked the proposers and the Council.

Mr. James Tate was then re-elected Vice-President, on the motion of Mr. BEGGS, seconded by Mr. SMITH, both they and the PRESIDENT speaking of his excellent work for the Society, not only in the North of Ireland, but in regard to all Executive duties. Mr. TATE aptly acknowledged the renewed confidence and honour.

Mr. JAMISON proposed that Mr. Beggs be re-elected Hon. Treasurer, which Mr. HARDY seconded and the PRESIDENT supported, and the motion was passed unanimously and amid applause, Mr. BEGGS acknowledging.

Messrs. Batt and Bowden were elected auditors.

COMMITTEES.

The following were elected:

Law Committee.—Dr. Chas. J. B. Dunlop, Dr. James A. Walsh, Messrs. Thos. Batt, G. D. Beggs, Richard Blair, John Burnett, Wm. J. Hardy, James Michie, Thos. N. Moffitt, John Smith, and Wm. F. Wells.

Inspection of Candidates' Certificates.—Dr. Walsh, Messrs. Batt, Beggs, Smith, and Wells.

House and General Purposes Committee.—Dr. Dunlop, Dr. Walsh, Messrs. Batt, Beggs, Bowden, Burnett, Hardy, Michie, and Smith.

School Committee.—Dr. Walsh, Messrs. Beggs, Bowden, Burnett, Hardy, Michie, Moffitt, and Smith.

Candidates' Declarations (for Registered Druggist Examination).—Messrs. Batt, Doig, Jamison, Smith, and Wells.

PRELIMINARY REGISTRATION.

Messrs. P. J. Hurley, F. K. Macaleer, T. Plunkett, and H. Sheridan submitted certificates, and were admitted to Preliminary registration.

CHANGES OF ADDRESS.

The following changes were notified:

Mr. Fred H. R. Murray, Ph.C., to 8 Elm Grove, Armadale, Melbourne, Vic.

Mr. Francis R. Murray, Ph.C., from 28 Botanic Road, Glasnevin, Dublin, to The Medical Hall, Oldcastle, co. Meath.

Dr. W. Macargur Scott, P.A., from Surgeon's Hall, Edinburgh, to "Allandale," 18 Canning Street, Liverpool.

Mr. John Duddy, R.D., from Killimore to New Street, Portunna.

Mr. S. R. Hamilton, R.D., from Donegall Pass to 107 Dunluce Avenue, Belfast.

DISPENSING IN THE ARMY.

The REGISTRAR read the following letter:

"War Office, London, S.W.,

September 30, 1914.

SIR,—I am directed to thank you for your letter of 22nd inst., and in reply to state that the organisation of the Army Medical Service does not provide for the employment of pharmaceutical chemists. As you are doubtless aware, the dispensing in military hospitals is carried out by non-commissioned officers of the Royal Army Medical Corps, who are required to qualify in accordance with a standard fixed by Army Regulations, and which is equivalent to that conducted by various civilian bodies who grant certificates of proficiency in dispensing. I am to add that it is not proposed to make any alteration in the above arrangements, and to meet any special circumstances arising out of a state of war it is not possible to introduce a new organisation which would conflict with the normal, which is still applicable to all but a very small proportion of the Army.

I am, Sir, your obedient servant,

C. H. BURCHALL, Lieut.-Colonel, for D.G.A.M.S."

The PRESIDENT said it should not be lost sight of that they did not ask for pharmaceutical chemists.

Mr. WELLS: They do not, but they ought. A man enlists as a private, enters the Army Medical Corps, goes in as an assistant in a dispensary, and after he has been there three months he goes up for an examination by the Army surgeon, and he is qualified as a pharmacist.

The PRESIDENT: Is there much use in pursuing the matter now?

Mr. WELLS: I don't think there is much use now; but it ought not to be lost sight of, and ought to be taken up again.

ELECTIONS.

Messrs. Joseph Michael Carrick, Ph.C., Army Medical Stores, Infirmary Road, Dublin; Wm. John McElhinney, Ph.C., 69 Morehampton Road, Donnybrook, co. Dublin; Henry Corbett Meyrick, Ph.C., The Pharmacy and Drugstores, Scarceen Street, Newmarket, co. Cork; Joseph O'Reilly, Ph.C., 17 Upper Merrion Street, Dublin; Denis Humphry O'Sullivan, Ph.C., the Kanturk Medical Hall, Kanturk, co. Cork; and Frederick Thomas Parker, Ph.C., 17 Rathgar Road, co. Dublin, were elected members, and Mr. James Keating, R.D., 17 Moore Street, Dublin, an associate druggist.

Various Committee reports were received and adopted; also a notification of the death, in Canada, of Mr. Charles Marshall, Ph.C., late of Belfast.

Examination Results.

Pharmaceutical Licence Examination.—Patrick Joseph Hickey, Bray, and James Wellwood, Belfast, equal; James O'Sullivan, Limerick; John Hall, Belfast; Alfred Lawrence Hanrahan, Kilrush, and Louis Henry Parks, Dublin, equal; Robert Alexander Hall, Belfast; Timothy Connolly, Knocklong; Herbert Tennison Beggs, Dalkey; Robert Laird Chambers, Belfast; Andrew Hamilton Cooke, Londonderry. Sixteen candidates were rejected.

Registered Druggist Examination.—George Frederick Hinchy, Cork, and James Moore, Kingstown, passed. Five candidates were rejected.

WINTER SESSION

of Meetings of Trade Associations.

Others are reported under "Insurance Act Dispensing" when the subjects pertain chiefly to that Section.

Bath—The annual meeting of the Bath Pharmaceutical Association was held on October 20 at the Church Institute, Mr. J. G. H. Hawes in the chair. The Hon. Treasurer's report showed that there was a substantial balance in hand, and the report by the Hon. Secretary revealed the fact that the Association is still very strong and vigorous. A vote of thanks was passed to all the retiring officers. The adoption of the scheme of the Pharmaceutical Society of Great Britain for the organisation of local Associations necessitated the alteration of some of the rules, which was agreed to. The following officers for the coming session were elected: *President*, Mr. H. K. Pryke; *Vice-Presidents*, Messrs. J. G. H. Hawes and L. Wilson; *Treasurer*, Mr. J. W. Cooper; *Committee*, Messrs. Broad, H. W. Gedge, C. Jenkins, E. W. Loveless, H. Norris, J. W. Spurway, and D. J. Williams; *Hon. Secretary*, Mr. W. J. Hallett.

Birmingham—The annual meeting of the Midland Pharmaceutical Association was held on October 21 at Queen's College, Birmingham, under the chairmanship of Mr. Jas. Radford (President). The annual report reviewed the work of last session. One paragraph set forth that at a Council-meeting suggestions were made as to alterations to rules to meet the new conditions imposed by the general adoption of Insurance dispensing. It was suggested that the name of the Association be changed to "The Birmingham Pharmaceutical Association," and that the Council consist of eight elected members, together with those members of the Pharmaceutical Committee who are members of the Association. It was also stated that 15*l.* 11*s.* had been collected on behalf of the Pharmaceutical Parliamentary Fund. The balance to the credit of the Association is 34*l.* 16*s.* The adoption of the report having been formally moved and seconded, Mr. Izon called attention to the large number of outstanding subscriptions, and Mr. F. H. Alcock, the Hon. Librarian, said several books are still wanted in the library. For instance, people who want to look up points of pharmacy law often inquire for THE CHEMIST AND DRUGGIST, failing to find the information they want elsewhere. The report was adopted. Mr. A. W. Southall next

moved the alteration of the rules recommended in the report. The change in name was unavoidable, though it meant confining the operations of the Association to a comparatively small area. The name of the Midland Pharmaceutical Association had been in existence for sixty or seventy years, and his grandfather was the first President. The recommendations were approved. The President reminded the members of the meeting of panel chemists to be held on October 28, at which it was hoped Mr. Woolcock would be present. The following constitute the Council for next year: Sir Thomas Barclay, Messrs. Jas. Radford, A. W. Southall, E. Corfield, F. Smith, E. W. Mann, A. W. Gerrard, H. Buckingham, H. O. Lloyd, Chas. Thompson, Jeffrey Poole, J. W. Atkinson, W. Izon, J. Wakefield, F. Barlow, F. H. Prosser, W. Shakespear, and H. Critchlow.

Chemists' Assistants.—The first meeting of the winter session of the Chemists' Assistants' Association was held at the new headquarters, 16 Bloomsbury Square, London, W.C., the Pharmaceutical Society having provided accommodation for the Association. There was a good attendance, between thirty and forty members being present. The new President (Mr. W. Roberts) was in the uniform of the Royal Army Medical Corps, and another member was also in uniform. Mr. F. W. Crossley-Holland (Vice-President) and Mr. C. W. Gostling (Literary Secretary) supported the President. After refreshments had been handed round, the President gave the inaugural address. He referred to the unusual circumstances of the opening of the session and to the decision to hold monthly meetings rather than close down during the war. Some reference was made to the new Pharmacopœia and to the status of qualified chemists in the Army. The remarks on these matters were exceedingly well put, especially considering the fact, which transpired subsequently, that the address was composed while the President was on guard. A discussion took place afterwards, the question of the position of dispensers in the Army receiving the chief consideration. It soon became apparent that there were differences of opinion regarding the manner of attacking the Army problem, and it was resolved to adjourn the matter to another meeting. It should be added that, in accordance with military regulations, the President took no part in the critical remarks regarding Army status. A vote of thanks was passed, on the proposal of Mr. Crossley-Holland, seconded by Mr. Harry Martin, and thereafter the evening took the form of a smoking-concert.

Chesterfield.—A meeting of the Chesterfield Pharmacists' Association was held on October 13, Mr. T. E. Furness in the chair, and there were also present eleven members and Mr. J. H. Toplis (Hon. Secretary). The sum of 5*l.* 5*s.* was voted to the Belgian Relief Fund. After the meeting the annual dinner was held, when fifteen members were present. The guests included the Mayor of Chesterfield (Alderman Shentall) and Mr. C. W. Ridyard (Codnor). The arrangements were carried out by Mr. J. H. Toplis, and the hope was expressed that the dinner would be an annual affair.

Doncaster.—The annual meeting of the Doncaster Association of Pharmacists was held at the Albany Hotel, Doncaster, on October 13, Mr. H. W. Shaw in the chair. There were five other members present and the Hon. Secretary (Mr. Harry W. Stiles). The balance-sheet showed a balance in hand of 2*l.* 11*s.* 9*d.* Messrs. Taylor and Lockhart were elected new members. The following officers were elected: *President*, Mr. H. W. Shaw; *Vice-Presidents*, Messrs. M. H. Stiles and W. E. Plant; *Secretary and Treasurer*, Mr. Harry W. Stiles; *Committee* (in addition to above), Messrs. Playford and Brooke. A letter was read from Mr. Broadhead, the Secretary of the W.R. Pharmaceutical Committee, with reference to four cases in Doncaster of excessive emergency dispensing. Mr. H. W. Stiles stated that this was partly due to the fact that the Doncaster chemists do not give a Thursday evening service. He had interviewed two of the doctors mentioned, offering to form a rota if necessary, but they replied that it was not necessary. It was therefore decided to leave matters where they are for the present.

Eastbourne.—The annual meeting of the Eastbourne Pharmacists' Association was held at the Queen's Hotel on October 13. Mr. W. Price (President) was in the chair, and there were present seven other members and Mr. D. Marchant (Hon. Secretary). Mr. G. A. Harmer was unanimously elected *President*, Mr. W. Price *Vice-President*, Mr. W. F. Mosley *Treasurer*, and Mr. D. Marchant *Hon. Secretary*. An adjourned meeting took place later at 21 Terminus Buildings, when it was agreed to supply medicines free to necessitous Belgian refugees. The whole of the pharmacists belonging to the Association agreed to dispense and supply free all drugs on the National Insurance Tariff to necessitous Belgian refugees to the end of the year. The prescriptions are to be marked "B.R." and

signed by a medical man, patients being expected to bring bottles. Appliances, specially expensive drugs, and proprietary articles are to be supplied at cost-price to the Refugee Committee.

Manchester.—A meeting of the Manchester Pharmaceutical Association was held at the Albion Hotel, Piccadilly, on October 14, Mr. James Grier, M.Sc. (President), in the chair. There were about thirty members present. The President, referring to the syllabus which has been drawn up, said that the annual dinner had been abandoned. Mention was also made of the Conference of Insurance delegates held in London and the B.P.C. meeting at Chester. The President alluded particularly to the papers read in the Practice Section by Messrs. Barlow and Peck, and to Mr. Barlow's close connection with Manchester pharmacy. The President next recounted the steps which led up to the Association's offer in connection with the conversion of Worsley Hall into a Red Cross hospital, which offer had been accepted by the War Office. It is hoped to provide the dispensary and the services of a qualified dispenser for a period of twelve months. Promises to the extent of 150% have been received towards the realisation of the scheme. Mention was made of the recommendations of the special sub-committee appointed to consider the present regulations in connection with the Manchester Scholarship. The address concluded with a short reference to the report of the Patent-medicine Committee. Mr. W. Kirby, M.Sc., also made a few remarks.

Middlesex.—A meeting of the Middlesex Pharmaceutical Association was held on October 14 at 17 Bloomsbury Square, the President (Mr. John Humphrey) in the chair. There was a full attendance, and the Secretary (Mr. Wolff) reported on the work done by the Pharmaceutical Committee. It was agreed that the annual dinner, fixed for December 10, be postponed *sine die*. A report on the question of dispensing for necessitous dependants of those serving with the Colours was received, and a record made on the minutes endorsing the action that had been taken. The whole of the chemists in Middlesex had responded to the appeal. It was decided to complete the register of every pharmacist in the county, and to nominate district officers for submission to the Pharmaceutical Society. A resolution from North London on the necessity of moving the Associations' Executive towards securing a fair profit on proprietaries was passed on to each district Association for debate, on the understanding that it would be submitted at the next meeting.

Newcastle-upon-Tyne.—The annual meeting of the Newcastle-upon-Tyne Pharmacists' Association was held in the Temperance Institute on October 14. Mr. J. Gibson (Tyne-mouth) occupied the chair. The reports of the Hon. Treasurer (Mr. Kerse) and the Hon. Secretary (Mr. Wm. Pescod) were received and adopted. Amendments were made in the rules to bring them into line with the local organisation scheme. The following officers were elected: *President*, Mr. H. W. Noble; *Vice-Presidents*, Messrs. R. Wright and J. Gibson; *Treasurer*, Mr. Kerse; *Hon. Secretaries*, (senior) Mr. T. H. Flemming, (junior) Mr. J. Filder; *Auditors*, Messrs. Geo. Whitehead and Wm. Atkins; *Solicitor*, Mr. C. E. Layne; *Committee*, Newcastle Pharmaceutical Committee (comprising Messrs. Clague, Bowness, Crake, Elliott, Flemming, Gray, Hunter, McClumpha, Pool, Russell, and Stephenson), along with Messrs. Gilderdale, Pescod, Buckley, J. F. Simpson, H. S. Williamson, and G. Foggan. The newly elected President then delivered his Presidential Address on *Science and Industrial Efficiency*. Commenting briefly on the inconvenience caused at present through supplies having been drawn so largely from one source, he outlined the reasons which have given Germany so large a share of this business. He placed these under four heads: (1) Application of science to industry; (2) secret processes and financial support; (3) raw material and labour; (4) fiscal regulations. As an instance of the first, he described with some detail the contact-process for making sulphuric acid and the manufacture of synthetic indigo. This led to a *résumé* on catalysis as a whole, and the large part these reactions take in modern industrial chemistry. Regarding secret processes, he cited some common chemicals and outlined the difficulties which had to be overcome before the works product equals the laboratory sample. Remarking that potash is a national asset, he mentioned its source and described the secondary products obtained in purification, particularly tracing the bromide residues from the mother liquors to their commercial uses. Another source of potash which was described is the suint of sheep's wool which, at present in only rare instances, is recovered although the process is commercially practicable. As exemplifying the handicap caused by the spirit-duties, he described the manufacture of phenacetin and antipyrin, but laid stress on the fact that the enormous variety of organic

products in Germany, giving, as they do, raw material and intermediate products for further activities, account largely for German competition than the lack of duty-free spirit. The address was loudly applauded.

Scarborough.—The annual meeting of the Scarborough and North Riding Association of Pharmacists was held on October 15 at 9 Gladstone Road, Scarborough. Mr. G. H. Meadley presided over a fair attendance. The Secretary presented the report of the past year's work and financial statement, which showed a good balance in hand. These reports were adopted. The officials for the coming session were elected as follows: *President*, Mr. W. H. Newton; *Hon. Secretary*, Mr. W. A. Senior; *Committee*, Messrs. R. M. Hill, H. E. Hunt, T. W. Longdin, and E. Parker. Votes of thanks were accorded to the retiring President and Secretary. The final negotiations in connection with the Draft Tariff for 1915 were left in the hands of Messrs. Chapman, Whitfield, and Senior. In response to an invitation from the Mayor, Mr. T. W. Longdin was appointed to represent the Association on the local Committee for the prevention and relief of distress caused by the war.

Southport.—The annual meeting of the Southport Pharmacists' and Assistants' Association was held at the Clyde Café on October 20, Mr. J. Righton (President) in the chair, and there were also present thirteen members and Mr. C. Crook (Hon. Secretary). The annual report and financial statement were received and adopted. The retiring officers having been thanked for their services, the following officers were elected for the coming session: *Mr. J. Righton, President*; *Mr. Chares Hare, Vice-President*; *Mr. J. Joye, Treasurer*; *Mr. R. H. West, Hon. Secretary*; *Executive Committee*, Messrs. Battersby, Wood, Barton, and Wall, with the officers. The question of the increased cost of certain articles was discussed, and it was unanimously decided to advance the retail prices. A resolution was passed stating that it is not in the best interests of insured patients that the prescribing of stock mixtures should be allowed. Messrs. Iveny and Gee were elected members.

Warwickshire.—At a meeting of the Warwickshire Pharmaceutical Association held at Leamington on October 15 the Draft Tariff was agreed to. The question was also considered of forcing all manufacturers of proprietary articles to protect the retail prices of their goods through the P.A.T.A.

West Riding.—A meeting of the West Riding Pharmacists' Association was held at the Grand Central Hotel, Leeds, on October 20, the President (Mr. F. Pilkington Sargeant) in the chair. There was a good attendance. The President delivered an address, in which he touched on current topics. Referring to the discounting, which may reach 25 per cent., the speaker epitomised the causes as being (1) wilful or careless extravagance in prescribing, (2) preponderance of female insured patients, (3) prevalence of incipient tuberculosis, and (4) indiscriminate treatment of venereal diseases. Mr. Sargeant characterised the new Pharmacopœia as a dismal failure, referring to the list of abbreviations as ridiculous and absurd. To ensure a useful B.P., there must be a controlling body conversant with modern pharmacy. A discussion afterwards took place regarding the new Drug Tariff, in which Mr. S. N. Pickard, Mr. R. Broadhead, and Mr. A. R. Briggs took part. On the invitation of the West Riding Distress Committee, Messrs. S. N. Pickard and A. R. Briggs were appointed to represent chemists in the administration of medical relief to dependants of sailors and soldiers. Mr. Pickard mentioned the matter of doctors who are, in some cases, still doing their own dispensing and disregarding the one-mile radius. The doctors in such instances draw two shillings per head, and it is not fair to chemists. Mr. Briggs said there has been a renewal of this complaint from Normanton. Mr. Pickard urged the use of ordnance maps by chemists to check distances, and insisted that the measurement of the mile limit should be clearly understood to be as the crow flies, and not according to winding roadways. The Committee were empowered to take up complaints.

Wrexham.—A meeting of the Wrexham and East Denbighshire Chemists' Association was held at the Central Hall and Institute, Wrexham, on October 13, under the chairmanship of Mr. L. Edwards. A proposal having been made in reference to the dispensing for the local infirmary being undertaken by chemists on Insurance dispensing terms, the Assistant Secretary reported that he had written to the Secretary of the infirmary asking the Committee to receive a deputation to go into the matter, and that the Committee had declined the offer on the ground that they had recently appointed a new dispenser. The meeting then discussed and approved the Drug Tariff for 1915.

TRADE NOTES.

PEPS.—C. E. Fulford, Ltd., Carlton Hill, Leeds, invite our subscribers to send a postcard for their new showcard.

KOLYNOS DENTAL CREAM. made by Kolynos, 43-44 Shoe Lane, London, is not a German product. The makers give special window-display terms.

BULK PERFUMES.—An artistic advertisement of Erasmic perfumes in bulk for the 1914-15 season invites subscribers to apply for samples and prices to Erasmic, Ltd., Warrington.

MESSRS. R. ORROCK & Co., the old-established firm of glass-bottle manufacturers, Creeksmouth, Barking, Essex, have converted their business into a private company under the title Orrocks, Ltd.

"**BRITISH-MADE BY BRITISH LABOUR**" is the motto of A. Wander, Ltd., 45 Coveross Street, London, E.C., which is used regarding two seasonable sellers—viz., chilblain-ointment and formalin tablets—elsewhere in this issue.

PAREX ENEMAS.—The name of these enemas, which are a speciality of Messrs. S. Maw, Son & Sons, 7 to 12 Aldersgate Street, London, E.C., was wrongly given last week on p. 45. Parex is the trade-mark name which Messrs. Maw employ.

LOOFAH SOCKS.—Messrs. J. Morgan Davis & Sons, 273 Bishopsgate, London, E.C., give in their advertisement prices of loofah socks, which are made in Britain by British labour. They will supply sale-getting showcards to purchasers.

DR. HOMMEL'S HÆMATOGEN.—We may supplement what we have already said regarding this preparation by stating that it has been manufactured in Zürich, Switzerland, for over twenty years by the Swiss proprietors, and it has always been made there.

THE THERMOGENE CO., LTD., Haywards Heath, Sussex, intimate that their bonus terms are still open, and as there is an increased demand for thermogene in the winter, chemists should note that material for an attractive window-display is sent free with each order for three-dozen or six-dozen lots.

PEPPERMINT LOZENGES as gifts to soldiers are suggested by Messrs. Thomas Guest & Co., chemists' confectioners, 92 Carruthers Street, Ancoats, Manchester. With this in view, a special showcard has been prepared for exhibiting in the pharmacy, and the lozenges—extra strong—are sent out in convenient 4-lb. tins. There are spaces on the showcard for adding the retail price of the lozenges.

MAW'S CAPSULES.—In the *C. & D.*, October 10, p. 45, we described and figured the new capsules which Messrs. S. Maw, Son & Sons 7 to 12 Aldersgate Street, London, E.C., have placed on the market. One dozen boxes were then referred to. The firm have now ready elegant boxes of the same design, each containing two dozen of ammoniated-quinine capsules, or two dozen of ammoniated quinine and cinnamon. Maw's prices are 7s. and 7s. 9d. per dozen boxes.

GLDHIH TILLS.—Messrs. G. H. Gledhill & Sons, Ltd., Trinity Works, Halifax, have issued a new illustrated catalogue of their cash-tills, of which they make many kinds. The catalogue, beautifully produced, is not a mere price-list, but embodies explanations of the working principles of the various tills. An article occupying three pages tells how the "Gledhill" tills assist a trader in keeping his accounts. The catalogue is well worth studying by those who contemplate purchasing a new cash-till.

JEYSOL is the happily coined name which Jeyce's Sanitary Compounds Co., Ltd., 64 Cannon Street, London, E.C., are now applying to Jeyce's soluble fluid. It is a bright sherry-coloured syrupy liquid, which forms a clear solution with water in any proportion. It contains the proper proportion of cresols, and as required for surgical purposes is used in the strength of 1 per cent. Jeycol is put up in various sized bottles, and large quantities are supplied in tins. It has also an advantage that the price is cheaper than most solutions of this character.

"**SOLDIER'S PRESENT**" **BUSINESS.**—Mr. A. W. Bromley, talking-card expert, Whetstone, Middlesex, is of opinion that chemists can secure part of this business, and particulars are given elsewhere in this issue of special cards which reflect Mr. Bromley's ideas on the subject. The cards are 10 by 8 in. in size, neatly printed, and surmounted by crossed flags. They are worthy of a place in the pharmacy, and chemists interested should write to the above address for particulars of Mr. Bromley's scheme for giving these special cards free with his winter "Talking Cards," which, we are informed, are now in the second edition, and in which a new and more pleasing colour-scheme has been adopted.

BRITISH-MADE HEXAMINE.—The interesting announcement was made last week by Messrs. Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C., that hexamethylene-tetramine is now being made at the Wellcome Chemical-works at Dartford, and of a quality that conforms with the stringent tests and characters required by the British Pharmacopœia, 1914. The new B.P. name is hexamine, and it is already on the market as "Tabloid" hexamine, grains 3 and 5, in bottles of 25 and 100. We have received samples of these products and also of tabloid sodium acid phosphate, which is employed in conjunction with hexamine to increase the acidity of the urine and thus produce a condition favourable to the activity of the drug. Hexamine is not a new drug, but now that an official name has been found for it and it is being made in this country, it is likely to increase in popularity with the medical profession.



Postal Address:
C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.
Telegraphic Address: "**CHEMICUS, CANNON, LONDON**" (two words).
Telephone Number: **3617 CENTRAL** (three lines).

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us as above:

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| 128/5. "Royaline" vanishing-cream. | 132/28. Warren's malt and iron crystals. |
| 138/4. "Linctus Tussi Stim" (Marsh). | 132/280. Bloomfield's "Death to Suffering." |
| 128/11. "Velosin." | 132/281. "Diosylin." |
| 128/50. "Karnol": supply. | 132/282. Long's embrocation. |
| 130/29. "Wonderful Dream" salve. | 132/283. "Thermicones" or "Thermocones" for pills. |
| 131/1. "Epulexon," a veterinary preparation. | 132/284. Andrew's syrup of camphor. |
| 131/44. "Set-Snag" sanitary belt. | 132/285. Nutall's soft soap. |
| 131/43. Cottan's brilliantine sticks. | 132/286. Arnold's Rose Benzoric skin cream. |
| 131/450. Taylor's "Bug Oil." | 134/31. American spinal corset (steel bands) |
| 133/14. Hall-Edwards' CO ₂ apparatus (with compressor). | 134/310. "Baby's Favourite" feeding-bottle. |
| 133/15. Perri-protex tablets. | 134/39. "The Villa" crinkly toilet-paper. |
| 133/12. "Esenophen" tablets for malarial fever. | |

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, **THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.:**

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OBSERVATIONS AND REFLECTIONS.

By Xrayser II.

"A Deluge of Mediocrity"

is Sir William Ramsay's rather uncomplimentary description of the hordes of Germans who have in past years invaded our too hospitable shores. I am inclined to agree. The Germans I have met in business in this country are not particularly brainy men, but they possess a power of application and steady work that the average Englishman rarely exhibits, and this, combined with a knowledge of two or more languages, has enabled many of them to work themselves into positions for which they are not a bit better qualified than their English competitors. The average German does not hide his light under a bushel, which is natural considering how he has been brought up during the past forty years, and he will be apt to treat Sir William Ramsay's opinion with contempt. All the same, it is interesting to have the great scientist's view as to the effect of the "annihilation" of German ambitions. Scientific thought may not suffer, but what about applied science (chemistry, for instance), philosophy, theology, and philology? Some of our ideas need revision if Sir William Ramsay's dictum is to be universally applied, but the German clerk who thrives in London at 17. per week is hardly a fair criterion.

Trading with the Enemy

is treason, and anyone convicted of the offence is liable to be very severely punished. I fancy that very few pharmacists will feel inclined to run the risk, but it seems to me that the regulations permit of a good deal of such trading being carried on with impunity. It is well known that Germany is making desperate efforts to maintain her external trade, and with intermediaries in Holland, Scandinavia, and Switzerland a considerable amount of business in chemicals could be done in "individual consignments not exceeding 100% in value," so long as certificates of origin are not demanded. It is true that 100% worth of chemicals does not go far with a manufacturer, but there are ways and means by which such consignments may be multiplied. Lest there should be some whose anxiety to surmount the difficulty of doing this illegal trade is greater than their sense of honour, it would be well that certificates of origin as well as declarations of ultimate destination should be exacted with every import or export, large or small. It is done already with some of our oversea traders, especially with Africa and Australia, in order to secure rebates of duty, and there is really not much trouble connected with it.

"International Uniformity"

does not appear to be the aim of the General Medical Council in the use of the metric system alone in the British Pharmacopœia, as "The Lancet" seems to think. Hardly any attempt has been made to do more than attain approximate uniformity, and this could just as easily have been secured by the employment of the imperial weights and measures. I cannot help thinking that the General Medical Council must have felt rather sick at having their hands tied by the International Agreement, and that there must have been a good deal of heart-searching before they agreed to accept the new formulae for tinctures of nux vomica, opium, and strophanthus. The last-named is a particularly serious change, and every care should be taken by pharmacists to point it out to prescribers. The curious thing, however, is that, not content with making the tincture approximately 10 per cent., they go to the opposite extreme, and by making it weight in volume they produce a tincture at least 10 per cent. stronger than that of the International Agreement.

Metric Weights and Measures

may be—indeed, as Mr. Marshall says, they doubtless are—familiar, both in theory and in use, in such pharmacies as that over which he presides, but I venture to say that not a tithe of those who have an equal claim with him to the title of dispensing chemist have any real occasion for them. It is but rarely that most of us see any but English prescriptions (the foreign ones we do see are easily converted into the familiar notation), and English doctors use, and as long as they legally can do they will continue to use, the old system. I do not presume to judge between the two systems; the metric, or, as we used to term it, the decimal, system may be theoretically the better, but practical legislators have frequently pronounced the number ten to be in some respects an unsuitable basis for calculation. But whichever is preferable, it is certain that the simultaneous use of both would be extremely inconvenient. To say nothing of possible mistakes in dosage, etc., the mere fact that we must charge for ounce and drachm and grain makes it undesirable that we should sell by the gram and the decigram, and so on. Our Insurance accounts are complicated enough already, and it is to be hoped that nothing will happen to make them more so. In countries where the decimal system applies to all transactions and calculations there may be some advantage in it, but with us the question is not so simple as that.

The Argument for Remaining on the Pansels

is immensely strengthened by the uncertain conditions occasioned by the war. Not only is this, as you say, no time for resignations that would at least to some extent embarrass the Government; it is a time in which we cannot afford to take risks. When the worst is said, we are making something out of Insurance work; there is every likelihood that this little will increase, and there is a growing probability that we shall need every little we can get before the country recovers from the losses which the war, whatever its issue, is certain to cause. It would be suicide for us as a body to give up a position already worth having, that promises to be much more valuable than it yet is, and that may prove necessary to our continued existence. And what is true of the pharmaceutical body is true, except in a few quite negligible cases, of individual pharmacists.

Indrajao,

which seems to be the native name of the seeds of *Holarrhena* (or *Wrightia*) *antidysenterica*, is only one of many plants, some of them equally important in medicine and more so in commerce, with which Indra, the supreme god of the Vedic Olympus, is associated. In this country *Holarrhena* is most familiar as the source of *Conessi cortex*, from which the bitter principle conessine (or wrightine) is obtained. Among the other plants to which I refer is *Abrus precatorius*, or wild liquorice, the polished seeds of which are known as Prayer Beads. This has been official in India since 1844, and both its seeds and its root are known in European practice, the former for affections of the eye and, in paste, for lupus, etc. *Terminalia Arjuna*, which has not for us the importance of *T. Chebulica* or *T. bellerica*, is in Indian mythology the Tree of Indra; *Methonica superba* is his Flower; *Vitex Negundo* is his Drink. The last-named is said to be in great repute for its discutient properties, and as an anodyne, diuretic, and emmenagogue. Hemp, again, is the Food of Indra. In the legends connected with him apamarga-seeds play a part resembling that of mistletoe in the Balder myth, and they are still used as charms against witches and nightmares and as a prophylactic against scorpion-bites. Our old custom of scattering rice over brides is a relic of Indra-worship, he having been the husbandman of heaven and the great fertiliser.

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Editorial Articles.

The War and Trade.

THURSDAY, October 22, was the eightieth day of our war with Germany. Many things have happened in that time, but the Kaiser has not, as the Germans anticipated, entered Paris at the head of his army. His present whereabouts are not exactly known to us, but a report states that he is in a cage at Czenstochow, the cage being a device wound round a club-house in which he and his staff are quartered. It is a far cry from Czenstochow to Paris. As to the progress of the war, no more need be said than "we are not down-hearted." The military aspects are outside our province, but the time is appropriate for reference to the economic side of the struggle. German professors do not like the word "economic"—it is too British, in their opinion—but whatever word is used to designate the cost of the war, the fact is bound to be faced sooner or later. On Thursday the British Government had no difficulty in floating bills amounting to 15,000,000*l.*, being the balance of 75,000,000*l.* borrowed since the war began. In addition, bills for 7,100,000*l.* have been issued privately. This money is to meet expenditure on our Army and Navy beyond the normal expenditure. It is a little more than a million a day. Estimates put the expenditure by Austria, France, Germany, and Russia at proportionately greater figures, which make the war expenditure of the five countries ten million pounds per day. We give these figures because finance is believed to be the most crucial factor in determining the duration of the war. Other factors will make for the shortening of the conflict, and judging from the manner in which Germany is circularising the world about its trade, it realises that the nation which maintains continuity in its commercial and industrial pursuits will have predominance in dictating terms of peace. Circulars which have come from Germany this week actually claim that German commerce and industry have been less affected by the war than ours! One of the shortest words in the English language describes this statement. There has been nothing more gratifying in our experience of the war than the manner in which internal industries have gone on without interruption by voluntary enlistment of men in our fighting forces. Production is practically normal so far as labour, materials, and supervision are concerned. In this respect we are less affected than any other belligerent country. This makes for our staying-power. Few things have been more disconcerting during the eighty days than the law against trading with the enemy. The Courts are now beginning to clear the way of obstacles. We report several decisions this week, and call special attention to them. The most notable affect the business of Meister, Lucius & Bruning, Ltd., the manufacturers of salvarsan and other synthetic products, who by the decision of the Court are to be regarded as alien enemies. We note later that the use of the patents and trade-mark covering salvarsan has been granted to Burroughs Wellcome & Co. The company's factory in this country has been closed by the directors (who are German subjects) since the war commenced. Mr. Justice Warrington has this week ordered it to be reopened, in order that the manufacture of dyes and other articles required for home use may be continued. It is the products, not the profits, that we want, and the Court has ensured that the Controller shall periodically render account of his stewardship.



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LIQUORS

A case which we report from the City of London Court in regard to an account due for goods made in Germany is timely considering that inquiries on this point are increasing. The Proclamations do not prohibit the payment of accounts due by any person in this country to any other person trading in this country, but it has been decided that an Austrian or a German not being registered or a naturalised British subject has no right to sue in our courts. This has been endorsed by three High Court Judges (see p. 39), and Judge Atherley-Jones, K.C., of the City of London Court, states emphatically that he will enforce it. Many people have a wholesome dread of paying for goods made by an alien enemy and bought before August 4, because they fear that their money will be transmitted to the enemy and thus help to finance the war. The legal provisions favour such patriotic feeling, *if the seller of the goods is a person or firm who cannot sue*, and this is a matter that each debtor must be clear about. Perhaps the City of London Judge may give some hints for general guidance, especially as the case appears to be one in which the right to sue might be questioned by the man in the street. Is that right removed by the Proclamations? An answer to this question by his Honour would be a distinct service to the community.

Insurance Dispensing Agreements.

If anything had been needed to justify our advice regarding the 1915 agreements, we have it in the official events of the week. As regards England the Commissioners telegraphed last Saturday to the Insurance Committees asking them not to conclude arrangements with chemists (which should have been done on Monday) until a circular letter was received from the Commissioners. This (Circular 49/L.C.) was issued on October 19, and a copy of it, with a covering letter, has been sent to the Secretary of each Pharmaceutical Committee by Mr. Uglow Wooleock. The Commissioners' circular is a recommendation to Insurance Committees to adopt the Drug Tariff proposals put forward by the Pharmaceutical Standing Committee on Insurance subject to the addition of the following clause as to stock mixtures in the dispensing-charges page of the Model Tariff:

If a formula or special Pharmacopœia is adopted locally for use in prescribing by practitioners on the panel, dispensing-fees will be charged at half the rates set forth above in respect of such of the mixtures specified therein, not exceeding ten at any one time, as may from time to time be selected for the purpose by the Panel Committee, the reduced rates to take effect as regards any mixtures so selected one calendar month after notice of the intention to apply those rates thereto has been issued by the Insurance Committee to persons supplying drugs and appliances. Provided that the reduced rates will only apply to those mixtures which have been agreed by the Panel Committee and the Pharmaceutical Committee, or, failing agreement between them, adjudged by the Commissioners, to be capable of being stocked in bulk without deterioration. The application of the reduced rates to any particular mixture is liable to be terminated by the Panel Committee, with the consent of the Insurance Committee, on notice being issued by the Insurance Committee to persons supplying drugs and appliances, as from the date specified in such notice.

This appears to us to be a satisfactory method of surmounting a difficulty which in the first instance threatened to prevent chemists getting Insurance dispensing to do, and which if not solved might ultimately deprive them of it. The Commissioners have extended the time for arrangements to October 30. Mr. Woolcock's circular is, substantially, a report of a conference between representatives of the British Medical Association and the Pharmaceutical Society regarding Drug Tariff matters.

The results of this conference apparently influenced the Commissioners' action as described. The conference (1) approved of the Model Tariff, (2) decided to meet monthly in order to fix prices of war-affected drugs unpriced in the Tariff, (3) resolved that "aqua" in Insurance prescriptions shall mean ordinary water and not distilled water, except where a dangerous incompatibility would result; also (4) that the use of Rep. mist. should be limited to a period not exceeding one month, the date of the original prescription always being repeated. The Model Tariff is to have clauses in it regarding non-specified drugs, and as the new British Pharmacopœia will come into force after the agreements are signed, revision of the Tariff prices will be arranged by the Association's and the Society's representatives, with the Commissioners as arbiters in default of agreement. As to Scotland we need only call attention to the report of a meeting of representatives of all panel chemists there, at which resolutions were adopted that form the basis upon which the 1915 agreements will be proceeded with, and the Commissioners have agreed, so that continuation is also assured in Scotland. The discounting clause remains in the agreements for the reason that the leaders believe that Article 40 of the Medical Benefit regulations is meeting the difficulty. We have before us one example. In the first quarter of the year chemists' accounts amounted in the area to the equivalent of 100, which meant discounting. The local checker at once got panel doctors and chemists together, and the matter was thoroughly gone into: result, reduction in the second quarter to 80 and in the third to 60, although the number of insured persons had in the meantime increased. We trust that such mutual work may be done in all districts. It can be done, and that is why the Commissioners do not budge on the point.

Patent-medicine Committee.

THE minutes of the evidence taken before the Select Committee on Patent Medicines have been published this week. They form a bulky Blue-book of 782 pages, which weighs nearly 4½ lb. It is sold by Wyman & Sons, 29 Bream's Buildings, Fetter Lane, London, E.C., at 6s. 7d. We recall that the Report of the Committee, containing Findings and Recommendations, was dealt with in THE CHEMIST AND DRUGGIST, August 29. The present Blue-book contains, in addition, a verbatim report of the evidence of forty-two witnesses who appeared before the Committee at the thirty-three public sittings held from May 9, 1912, to June 12, 1913, when 14,213 questions were asked. It is not necessary that we should refer in detail to the evidence, as the proceedings were fully reported in our columns at the time. The part of the present Blue-book that has not hitherto been made public is the discussion which took place on the Report drafted by Sir Henry Norman, the Chairman. This was before the Committee on July 21, 1914, and three other sittings were held before the Report was put into the shape in which it was presented to the House of Commons. It is obvious that the Report as drafted was improved by the amendments to it proposed and agreed to at these four meetings of the Committee, but the alterations were of little avail in view of the one-sided character of the draft Report. One has only to consider some of the recommendations to see their unjustness; for instance, the suggestion that the period of validity of a name used as a trade-mark for a drug be limited: why one class only of trade-marks? We

can imagine also the way in which the House of Commons would receive a Bill which would make it illegal "to enclose with one remedy printed matter recommending another remedy," or "to promise to return money paid if a cure is not effected." The House has a reputation for common sense which is not likely to permit the penalising of such actions. The Report has attached to it twelve appendices, which consist of papers handed in—three by witnesses and nine by the Chairman.

A Standard for Baking-powder.

THE Southwark Borough Council is circularising the Metropolitan borough councils to support it in an application to the Local Government Board to fix a legal standard in respect of baking-powder. This arises from the recent case (*C. & D.*, September 19, p. 41) in which the Council was defeated in its effort to sustain the public analyst's statement that baking-powder should contain 6 per cent. of available carbonic anhydride. The defence proved that the value given was as good as a baking-powder which met the Council's standard, and the Magistrate gave costs against the Council, which seems now to be "sore" about it. We hope the Local Government Board will treat the proposed application as it deserves to be—perhaps not with contempt, but with a reminder of the fact that investigation by the Board's officers has demonstrated that the proportion of starchy matter in baking-powders is variable. The variation is legitimate, and is dictated by experience.

Enemy Patents and Trade-marks.

As a result of the application of Messrs. Burroughs Wellcome & Co., under the Patents, Designs and Trade-marks (Temporary Rules) Act, 1914, the Board of Trade has granted them a licence to make salvarsan and neo-salvarsan. The proceedings at the Patent Office were reported in the *C. & D.*, September 19, p. 51. The evidence tendered at the hearing and the subsequent investigations by the Board of Trade have fully established the case of the applicants, and shown, moreover, that the Act under which proceedings were taken was meant to be used. The trade-mark "Salvarsan," has also been suspended in favour of Messrs. Burroughs Wellcome & Co., and we expect that in a short time salvarsan made by a British firm will be obtainable. The manufacture of salvarsan is a delicate process, as extraordinary precautions have to be taken to prevent oxidation, and when the compound is finished it must be tested physiologically. There is no doubt these requirements can be carried out successfully by the licencees, who have had considerable experience in the manufacture of complex organic arsenic compounds and possess unique facilities for carrying out the physiological tests. The application by Boulton-Macro, Ltd., on September 24, for the suspension of the trade-mark "Pebecol" has been refused by the Board of Trade. These decisions are the only ones of pharmaceutical interest that have been made so far.

The Delve Case Recalled.

THE Council of the Pharmaceutical Society has an opportunity of giving more work to lawyers and judges if it takes the St. Neots case (p. 39) to the High Court. The Councillors should think more than once before so doing. The defendant had sold two proprietary articles which contain scheduled poisons, and he admitted that they do, yet the Judge refused to convict because the Society had not proved that the articles do contain poison. It would have been easy for the Society to do so, we presume, but it is the custom to ask infringers of the law to admit their offence, for the stated reason that the expense of the Society proving the fact in evidence ultimately falls upon the defendant. This practice must apparently cease, and there is little or nothing to go to the High Court about, for Judge Wheeler's decision does not convey any privilege to unqualified persons. The only possible point that could be argued serviceably before the High Court would be whether a pill containing

a poison among other active ingredients is a preparation of the poison. Many lawyers consider this to be a moot point, but it appears not to have been definitely raised in the St. Neots case, so that its inclusion in the stated case is improbable.

Teutonic Culture and Science.

EDUCATION seems but to make the natural Teuton more potent for mischief, states the "British Medical Journal," and after quoting modern examples of the war that Germany is waging against civilisation, it quotes a characteristic example of the same spirit as given in Vallery-Radot's "Life of Pasteur." It appears that when war broke out in 1870 the famous physicist Regnault was at Geneva. He had left his laboratory apparatus in his rooms at the Sèvres porcelain-manufactory, of which he was the manager. On his return everything was apparently left in the same place, not a window was broken, no locks forced; but a Prussian, evidently an expert, had been there. "Nothing seemed changed," writes J. B. Dumas, "in that abode of science, and yet everything was destroyed: the glass tubes of barometers, thermometers, etc., were broken; scales and other similar instruments had been carefully knocked out of shape with a hammer." In a corner was a heap of ashes; they were the registers, notes, manuscripts, all Regnault's work of the last ten years. "Such cruelty," exclaimed J. B. Dumas, "is unexampled in history. The Roman soldier who butchered Archimedes in the heat of the onslaught may be excused, he did not know him; but with what sacrilegious meanness could such a work of destruction as this be accomplished." The deliberate cruelty of this calculated piece of "cultured" spite, adds the "British Medical Journal," shows that the descendants of the men of 1870 are worthy of their forefathers.

Antiseptic Inhalations.

THE continuous use of antiseptic inhalations as a remedy for pulmonary tuberculosis, advocated many years ago by Coghill and Ward Cousins, has lately been revived by Dr. D. B. Lees, who recommended ("The Lancet," 1912, II., 1278) an inhalant containing 2 drachms each of creosote, phenol, and spirit of chloroform and 1 drachm each of tincture of iodine and spirit of ether. The "Journal of Clinical Research" for October contains a record of experiments by Messrs. C. T. Kingzett, F.I.C., F.C.S., and R. C. Woodcock, F.I.C., F.C.S., on the germicidal value of medicated air, or inhalant, as produced under definite conditions and, as far as possible, realisable in the practical employment of oral and nasal inhaling-appliances. Various bacilli were used, and the results with *B. Typhosus* are here referred to, as that organism has vitality practically akin to the tubercle bacillus. Initial experiments were made with air impregnated with Sanitas oil, Russian turpentine, and eucalyptus oil (amygdalina and globulus), the air being carried over filter-paper moistened with germ-cultures, and it was found that the Sanitas oil killed the typhoid germs in two hours, the other oils taking six to seven hours. Applying *in vitro* the conditions of oro-nasal inhalation to Lees' fluid, it was found that the typhoid germ was killed in forty-five minutes, but by replacing the creosote and phenol with Sanitas oil the bacilli were destroyed in twenty minutes. Thereupon the authors carried out a series of experiments with several inhalants, using a pocket inhaler for the fluid and passing air through it into a vessel containing the bacilli. The result was that vapour of the following inhalant destroyed the organisms in fifteen minutes:

Sanitas oil	...	...	...	4 parts
Tincture of iodine	...	...	...	1 part
Spirit of ether	...	...	...	1 part
Spirit of chloroform	...	...	...	2 parts

Incidentally it was proved that as a packing for pocket inhalers cotton-wool is superior to broken pieces of porous material, and the authors conclude: "The record of many cases described in Dr. D. B. Lees' lecture affords practical evidence of the value of antiseptic inhalation in the treatment of incipient pulmonary tuberculosis, and our investigation places the treatment upon a precise scientific basis, and at the same time indicates a decided improvement as to the particular medicament to be employed."

THE BRITISH PHARMACOPOEIA 1914.

Notes on the new Pharmacopœia, which will come into force on December 31, 1914.

Pharmacy of the Pharmacopœia.

WE now continue the synopsis of the galenical preparations monographs, parts of which were printed in our issues of October 10, p. 50, and October 17, p. 50. In our notes u.a. means that the formula and process have not been altered, and w/v is weight in volume of product.

Pilula—Pills.

PILULA ALOES.

Aloes, in powder ...	2 oz. 140 grains
Hard Soap, in powder ...	1 oz. 70 grains
Oil of Caraway ...	53 minims
Syrup of Glucose ...	175 grains

Contains about 20 per cent. more aloes than the 1893 Pil. Aloes Barb.

PILULA ALOES ET ASAFETIDÆ.

Aloes, in powder ...	1½ oz.
Asafetida ...	1½ oz.
Hard Soap, in powder ...	1½ oz.
Syrup of Glucose ...	½ oz.

Contains 20 per cent. more aloes and 20 per cent. more asafetida than the 1893 pill.

PILULA ALOES ET FERRI (approximately u.a.).

PILULA ALOES ET MYRRHÆ (approximately u.a.).

PILULA COLOCYNTHIDIS COMPOSITA.

Colocynth-pulp, in powder...	1 oz.
Aloes, in powder ...	1¾ oz.
Potassium Sulphate, in powder ...	1¾ oz.
Oil of Cloves ...	¼ fl. oz.
Distilled Water ...	a sufficient quantity

PILULA COLOCYNTHIDIS ET HYOSCYAMI (u.a.).

PILULA FERRI.

Prepared with glucose and water in place of syrup and glycerin, the glucose retarding oxidation. Contains about 22.5 per cent. of ferrous carbonate.

PILULA HYDRARGYRI (u.a.).

PILULA HYDRARGYRI SUBCHLORIDI COMPOSITA.

Mercurous Chloride ...	1 oz.
Sulphurated Antimony ...	1 oz.
Guaiacum Resin, in powder ...	2 oz.
Gum Acacia, in powder ...	22 grains
Tragacanth, in powder ...	22 grains
Syrup of Glucose ...	½ oz.

Plummer's pill without the castor oil. The 1893 pill becomes insoluble on keeping.

PILULA IPECACUANILÆ CUM SCILLA (u.a.).

PILULA IPECACUANILÆ CUM URGINEA.

Same formula as previous pill, save that urinea replaces squill.

PILULA PHOSPHORI.

Contains 1 per cent. of phosphorus, oil of theobroma and wool-fat replacing white beeswax and lard. Half the strength of the 1893 pill.

PILULA PLUMBI CUM OPIO.

Lead Acetate ...	80 grains
Opium, in powder ...	12 grains
Syrup of Glucose ...	8 grains

Contains ½ per cent. less opium than the 1893 pill.

PILULA QUININÆ SULPHATIS.

Quinine Sulphate ...	82 grains
Tartaric Acid, in powder ...	3 grains
Glycerin ...	12 grains
Tragacanth, in powder ...	3 grains

Contains about 10 per cent. less quinine than the 1893 pill.

PILULA RHEI COMPOSITA.

Rhubarb, in powder ...	2½ oz.
Aloes, in powder ...	2 oz.
Myrrh, in powder ...	1½ oz.
Hard Soap, in powder ...	1½ oz.
Oil of Peppermint ...	96 minims
Syrup of Glucose ...	2½ oz.

PILULA SAPONIS COMPOSITA (u.a.).

PILULA SCILLÆ COMPOSITA.

U.a., except that the hard soap is reduced from 1 oz. to ¾ oz.

PILULA URGINEÆ COMPOSITA.

Urginea, in powder ...	1¼ oz.
Ginger, in powder ...	1 oz.
Ammoniacum, in powder ...	1 oz.
Hard Soap, in powder ...	¾ oz.
Syrup of Glucose ...	1 oz.

Pulveres—Powders.

PULVIS AMYGDALÆ COMPOSITUS.

Sweet Almonds ...	6 oz.
Refined Sugar ...	3 oz.
Gum Acacia, in powder ...	1 oz.

PULVIS ANTIMONIALIS (u.a.).

PULVIS CATECHU COMPOSITUS (u.a.).

PULVIS CINNAMOMI COMPOSITUS (u.a.).

PULVIS CRETÆ AROMATICUS.

Cinnamon-bark, in powder ...	175 grains
Nutmeg, in powder ...	140 grains
Cloves, in powder ...	70 grains
Cardamom-seeds, in powder ...	52½ grains
Refined Sugar, in powder ...	2 oz.
Prepared Chalk ...	1 oz.

PULVIS CRETÆ AROMATICUS CUM OPIO (u.a.).

PULVIS GLYCYRRHIZÆ COMPOSITUS.

U.a., except that the sugar is increased from 6 to 6½ oz.

PULVIS IPECACUANILÆ COMPOSITUS (u.a.).

PULVIS JALAPÆ COMPOSITUS.

Jalap, in powder ...	3 oz.
Acid Potassium Tartrate ...	6 oz.
Ginger, in powder ...	1 oz.

PULVIS KALADANÆ COMPOSITUS.

Kaladana, in powder ...	3 oz.
Acid Potassium Tartrate ...	6 oz.
Ginger, in powder ...	1 oz.

PULVIS KINO COMPOSITUS (u.a.).

PULVIS OPII COMPOSITUS (u.a.).

Opium, in powder ...	1 oz.
Black Pepper of Commerce, in powder ...	1½ oz.
Ginger, in powder ...	3 oz.
Caraway-fruit, in powder ...	4½ oz.
Tragacanth, in powder ...	131 grains

PULVIS RHEI COMPOSITUS.

Rhubarb, in powder ...	2¾ oz.
Light Magnesia ...	8¼ oz.
Ginger, in powder ...	1½ oz.

PULVIS SCAMMONIÆ COMPOSITUS.

Scammony Resin, in powder ...	5 oz.
Jalap, in powder ...	3½ oz.
Ginger, in powder ...	1½ oz.

PULVIS SODÆ TARTARATÆ EFFERVESCENS.

Syn. Seidlitz Powder.

No. 1 in Blue Paper.

Sodium Potassium Tartrate	115½ grains
Sodium Bicarbonate ...	38½ grains

No. 2 in White Paper.

Tartaric Acid, in dry powder	38½ grains
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PULVIS TRAGACANTHÆ COMPOSITUS.

Tragacanth, in powder ...	¾ oz.
Gum Acacia, in powder ...	1 oz.
Starch, in powder ...	1 oz.
Refined Sugar, in powder ...	2¼ oz.

PYROXYLIN (u.a.).

SEVUM BENZOATUM.

Prepared Suet ...	33½ oz.
Benzoin, in coarse powder ...	1 oz.

Benzoated suet should be employed in India in making preparations in which benzoated lard is directed to be used.

SODII CITRO-TARTRAS EFFERVESCENS (u.a.).

SODII PHOSPHAS EFFERVESCENS (u.a.).

SODII SULPHAS EFFERVESCENS (u.a.).

Spiritus—Spirits.

In a number of the spirits it is ordered: "When not clear shake with a little powdered tale and filter."

SPIRITUS ÆTHERIS (u.a.).

S.g. now 0.802 to 0.806, in place of 0.806 to 0.811.

SPIRITUS ÆTHERIS NITROSI (u.a.).

The minimum percentage of ethyl nitrite is now 1.52 in place of 1.75, and the maximum 2.66, which corresponds to not less than 4 or more than 7 volumes of nitric oxide gas.

SPIRITUS AMMONIÆ AROMATICUS.

The only alteration is that the oil of nutmeg is increased by 16 minims, and the oil of lemon reduced by 6 minims.

SPIRITUS AMMONIÆ FETIDUS (u.a.).

SPIRITUS ANISI (u.a.).

SPIRITUS ARMORACIÆ COMPOSITUS.

U.a., except that the nutmeg is reduced from 55 to 52 grains.

SPIRITUS CAJUPUTI (u.a.).

SPIRITUS CAMPHORÆ (u.a.).

SPIRITUS CHLOROFORMI (u.a.).

SPIRITUS CINNAMOMI (u.a.).

SPIRITUS JUNIPERI.

Oil of Juniper ... 1 fl. oz.

Alcohol (90-per-cent.) ... 9 fl. oz.

Double the strength of the 1898 spirit, and still slightly weaker than the spirit of the 1885 B.P.

SPIRITUS LAVANDULÆ (u.a.).

SPIRITUS MENTHÆ PIPERITÆ (u.a.).

SPIRITUS MYRISTICÆ (u.a.).

SPIRITUS ROSMARINI (u.a.).

SPIRITUS RECTIFICATUS

and the Diluted Alcohols remain nominally as before—namely, 90, 70, 60, 45, and 20 per cent.—but the s.g. has in most cases been altered, thus:

	S.g. 1898.	S.g. 1914.
90-per-cent. alcohol	0.8340	0.8337
70-per-cent. "	0.8900	0.8899
60-per-cent. "	0.9135	0.9134
45-per-cent. "	0.9436	0.9435
20-per-cent. "	0.9760	0.9760

Alcohol (90-per-cent.) contains 85.68 per cent. by weight of ethyl hydroxide and 14.32 per cent. of water in place of 85.65 and 14.35 in 1898.

Suppositoria—Suppositories.

SUPPOSITORIA ACIDI CARBOLICI.

Each suppository contains $\frac{3}{4}$ grain of white wax in place of 2 grains, otherwise u.a.

SUPPOSITORIA ACIDI TANNICI (u.a.).

SUPPOSITORIA BELLADONNÆ.

Liquid Extract of Bella-

donna ... 29 minims

Oil of Theobroma ... sufficient for twelve

suppositories

Evaporate the liquid extract to a syrupy consistence and mix with the melted oil. Each contains same amount of alkaloid ($\frac{1}{16}$ gr.) as in the 1898 formula.

SUPPOSITORIA GLYCERINI (u.a.).

SUPPOSITORIA IODOFORMI (u.a.).

SUPPOSITORIA MORPHINÆ (u.a.).

SUPPOSITORIA PLUMBI COMPOSITA (u.a.).

Syrupi—Syrups.

SYRUPUS (u.a.).

SYRUPUS ACIDI HYDRIODICI.

Diluted Hydriodic Acid ... 1 oz. by weight

Distilled Water ... $\frac{1}{2}$ oz.

Syrup to ... 10 fl. oz.

SYRUPUS AROMATICUS (u.a.).

SYRUPUS AURANTII (u.a.).

SYRUPUS AURANTII FLORIS.

Orange-flower Water, un-

diluted ... 1 $\frac{1}{2}$ fl. oz.

Refined Sugar ... 3 oz.

Syrup to ... 10 fl. oz.

SYRUPUS CALCII LACTOPHOSPHATIS.

Calcium Lactate ... $\frac{3}{4}$ oz.

Concentrated Phosphoric

Acid ... 216 minims

Orange-flower Water, un-

diluted ... 120 minims

Refined Sugar ... 7 oz.

Distilled Water to ... 10 fl. oz.

SYRUPUS CASCARÆ AROMATICUS (u.a.).

SYRUPUS CHLORAL.

Chloral Hydrate ... 2 oz.

Distilled Water ... 2 oz.

Syrup to ... 10 fl. oz.

Each fluid drachm contains 10.9 grains of chloral hydrate, and is 9 per cent. stronger than the 1898 syrup.

SYRUPUS CODEINÆ PHOSPHATIS.

Codeine Phosphate ... 35 grains

Distilled Water ... 117 minims

Syrup to ... 16 fl. oz.

Is 8 per cent. stronger in codeine than the 1898 syrup.

SYRUPUS FERRI IODIDI.

Iron, in wire ... 105 grains

Iodine ... 289.8 grains

Distilled Water ... 1 oz. 97 minims

Glucose ... 1 oz. 263 grains

Syrup to ... 16 oz.

Approximately two-thirds the strength of the 1898 syrup.

SYRUPUS FERRI PHOSPHATIS (u.a.).

SYRUPUS FERRI PHOSPHATIS cum QUININA ET STRYCHNINA

(u.a.).

SYRUPUS GLUCOSI (u.a.).

SYRUPUS LIMONIS (u.a.).

SYRUPUS PRUNI VIRGINIANÆ.

U.a., except that the glycerin is increased by 24 minims.

SYRUPUS RHEI.

U.a., except that the coriander-fruit is replaced by 12 minims of oil of coriander.

SYRUPUS RHEADOS (u.a.).

SYRUPUS ROSÆ (approximately u.a.).

SYRUPUS SCILLÆ.

Vinegar of Scillæ ... 2 fl. oz. 390 minims

Refined Sugar ... 10 oz. 175 grains

Distilled Water to ... 16 fl. oz.

SYRUPUS SENNÆ.

Senna-leaves ... 22 oz.

Oil of Coriander ... 4.8 minims

Alcohol (90-per-cent.) ... 48 minims

Refined Sugar ... 27 oz.

Alcohol (20-per-cent.) ... 38 fl. oz.

SYRUPUS TOLUTANUS.

Balsam of Tolu ... 1 $\frac{1}{2}$ oz.

Refined Sugar ... 33 oz.

Distilled Water to ... 50 oz. by weight

SYRUPUS URGINÆ.

Prepare as Syr. Scillæ.

SYRUPUS ZINGIBERIS (u.a.).

TABLETTE TRINITRINI.

Each tablet weighs about $4\frac{1}{2}$ grains, and contains approximately $\frac{1}{16}$ grain trinitroglycerin of commerce; about 13 per cent. weaker than the 1898 tablet.

Tinctura—Tinctures.

TR. ACONITI.

1-in-10 (app.). Root, No. 40 powder; 70-per-cent. alcohol; percolation. Contains 0.04 gram ether-soluble alkaloid in 100 millilitres tincture. About twice as strong as the 1898 tincture; dose, 2 to 5 minims.

TR. ALSTONIE.

1 in 8; No. 20 powder; 60-per-cent. alcohol; maceration.

TR. ARNICÆ FLORUM.

1 in 10; No. 20 powder; 45-per-cent. alcohol; percolation. This replaces tincture made with arnica-rhizome.

TR. ASAFETIDÆ (u.a.).

TR. AURANTII (u.a.).

TR. BELLADONNÆ.

1 in 10 (app.). Leaves, No. 20 powder; 70-per-cent. alcohol; percolation. Contains 0.035 gram alkaloids in 100 millilitres tincture.

TR. BENZOINI COMPOSITA. Syn. *Friar's Balsam*.

U.a. except that 175 grains aloes replaces 160 grains Socotrine aloes.

TR. BERBERIDIS.

1 in 10; No. 60 powder; 60-per-cent. alcohol; percolation.

TR. BUCHU (u.a.).

TR. CALUMBÆ (u.a.).

TR. CAMPHORÆ COMPOSITA. Syn. *Paregoric; Paregoric Elixir*.

Tincture of Opium	...	1 fl. oz.
Benzoic Acid	...	44 grains
Camphor	...	26 grains
Oil of Anise	...	29 minims
Alcohol (60-per-cent.) to	...	20 fl. oz.

Contains slightly more morphine.

TR. CANNABIS INDICÆ (u.a.).

TR. CANTHARIDINIS.

Cantharidin	...	1 grain
Chloroform	...	110 minims
Alcohol (90-per-cent.) to	...	22½ fl. oz.

Dissolve the cantharidin in the chloroform and add the alcohol.

This replaces tinct. cantharidis, of which it is approximately the same strength.

TR. CAPSICI.

U.a. except that 60-per-cent. alcohol replaces 70-per-cent. alcohol.

TR. CARDAMOMI COMPOSITA.

Cardamom-seeds, No. 20 powder	...	122 grains
Caraway-fruit, No. 20 powder	...	122 grains
Cinnamon-bark, No. 20 powder	...	244 grains
Cochineal, No. 20 powder	...	61 grains
Glycerin	...	2 fl. oz.
Alcohol (45-per-cent.) to	...	20 fl. oz.

Percolate with spirit and add the glycerin.

Similar to 1898 tincture, except that glycerin replaces raisins, and that 45-per-cent. alcohol replaces 60-per-cent.

TR. CASCARILLÆ (u.a.).

TR. CATECHU.

U.a. except that 45-per-cent. replaces 60-per-cent. alcohol.

TR. CHIRATÆ (u.a.).

TR. CHLOROFORMI ET MORPHINÆ COMPOSITA.

U.a. except that the quantity of oil of peppermint is increased from 14 to 19 minims.

TR. CINCHONÆ (u.a.).

TR. CINCHONÆ COMPOSITA.

U.a. except that the saffron is omitted and the cochineal is reduced from 28 to 26 grains.

TR. CINNAMOMI (u.a.).

TR. COCCI (u.a.).

TR. COLCHICI.

1 in 10. Seeds in No. 30 powder; 70-per-cent. alcohol; percolation. B.P. 1898 prescribed 45-per-cent. alcohol.

TR. CUBEBE (u.a.).

TR. DATURÆ SEMINUM.

1 in 4; No. 20 powder; 70-per-cent. alcohol; percolation.

TR. DIGITALIS.

1 in 10. No. 20 powder; 70-per-cent. alcohol; percolation. This tincture is four-fifths the strength of the 1898 tincture, and approximately the same strength as that of the International Agreement. Tincture made with the stronger spirit is found to keep much better.

TR. ERGOTÆ AMMONIATA (u.a.).

TR. FERRI PERCHLORIDI (u.a.).

TR. GELSEMI (u.a.).

TR. GENTIANÆ COMPOSITA (u.a.).

TR. GUAIACI AMMONIATA.

U.a. except that oil of nutmeg is reduced from 30 to 29 minims and oil of lemon from 20 to 19 minims.

TR. HAMAMELIDIS (u.a.).

TR. HYDRASTIS.

1 liquid extract in 10 of 60-per-cent. alcohol.

TR. HYOSCYAMI.

U.a. except that leaves only are specified, and 70-per-cent. alcohol is used in place of 45-per-cent.

TR. IODI FORTIS.

Iodine	...	1 oz.
Potassium Iodide	...	263 gr.
Distilled Water	...	1 oz.
Alcohol (90-per-cent.) to	...	10 fl. oz.

Dissolve.

TR. IODI MITIS.

This is identical with tr. iodi, 1898.

TR. JALAPÆ (u.a.).

TR. JALAPÆ COMPOSITA.

Jalap, in No. 40 powder	...	700 gr.
Scammony-resin, in powder	...	131 gr.
Turpeth, in No. 40 powder	...	87½ gr.
Alcohol (60-per-cent.) to	...	20 fl. oz.

Percolation.

TR. KALADANÆ.

1 in 5; No. 40 powder; 70-per-cent. alcohol; percolation.

TR. KINO (u.a.).

TR. KRAMERIÆ (u.a.).

TR. LAVANDULÆ COMPOSITA.

Oil of Lavender	...	48 minims
Oil of Rosemary	...	5 minims
Cinnamon-bark, bruised	...	87½ gr.
Nutmeg, bruised	...	87½ gr.
Red Sanderswood, rasped	...	175 gr.
Alcohol (90-per-cent.) to	...	20 fl. oz.

Maceration.

TR. LIMONIS (u.a.).

TR. LOBELIÆ ÆTHEREA (u.a.).

TR. MYRRHÆ (u.a.).

TR. NUCIS VOMICÆ.

Liq. Ext. Nux Vomica	...	1 fl. oz.
Distilled Water	...	3 fl. oz.
Alcohol (90-per-cent.) to	...	12 fl. oz.

Mix; filter if necessary.

Contains 0.125 gram strychnine in 100 millilitres; limit of error 0.005 gram; is approximately the same as the tincture of the International Agreement, and half the strength of the 1898 tincture.

TR. OLIVERI CORTICIS (TINCTURE OF OLIVER'S BARK).

1 in 10; No. 40 powder; 60-per-cent. alcohol; percolation.

TR. OPII.

Prepared by macerating opium in 45-per-cent. alcohol, secundum artem, and adjusting the finished tincture so that 100 millilitres contains 1 gram of morphine calculated as anhydrous. Limit of error, 0.05 gram. Approximately of same strength as the tincture of the International Agreement, and about one-third stronger than the 1898 tincture.

TR. OPII AMMONIATA.

Tincture of Opium	...	2 fl. oz.
Benzoic Acid	...	175 grains
Oil of Anise	...	48 minims
Solution of Ammonia	...	4 fl. oz.
Alcohol (90-per-cent.) to	...	20 fl. oz.

Dissolve, mix, and filter.

Contains approximately one-tenth less morphine than the 1898 tincture.

TR. PICRORHIZÆ.

1 in 4; 45-per-cent. alcohol; maceration.

TR. PODOPHYLLI (u.a.).

TR. PODOPHYLLI INDICI.

1 grain in 30 minims; 90-per-cent. alcohol; maceration.

TR. PRUNI VIRGINIANÆ.

Wild-cherry Bark, No. 20 powder	...	20 oz.
Alcohol (90-per-cent.)	...	56½ fl. oz.
Distilled Water	...	36½ fl. oz.
Glycerin	...	10 fl. oz.

Macerate powder in water for twenty-four hours, then add alcohol, and complete maceration process. Add the glycerin to the product.

TR. PYRETHRI (u.a.).

TR. QUASSIÆ (u.a.).

TR. QUININÆ (u.a.).

TR. QUININÆ AMMONIATA (u.a.).

TR. RHEI COMPOSITA.

U.a. except that 45-per-cent. alcohol is used in place of 60-per-cent.

TR. SCILLÆ (u.a.).

TR. SENEGÆ (u.a.).

TR. SENNÆ COMPOSITA.

U.a. except that 2 fl. oz. glycerin replaces 2 oz. raisins in the 1898 tincture.

TR. SERPENTARIÆ.

U.a. except that 60-per-cent. alcohol is now used in place of 70-per-cent.

TR. STRAMONII (u.a.).

TR. STROPHANTHI.

1 in 10; No. 30 powder, dried at 45°: 70-per-cent. spirit and ether. The seeds are percolated with ether (to remove fat), then the marc is percolated with alcohol. The tincture is four times stronger than the 1898 tincture, and approximately the same strength as the tincture of the International Agreement. The dose is said to be 12 to 50 centimils, alternatively 2 to 5 minims. Apparently "50" is a misprint for "30," otherwise the dose would work out at 8½ minims, which is equivalent to 54 minims of the 1898 tincture. Even the maximum minim dose runs up to 20 minims of the 1898 tincture, of which the 1898 dose was 5 to 15 minims.

TR. TOLUTANA (u.a.).

TR. URGINÆE.

1 in 5; 60-per-cent. alcohol; maceration.

TR. VALERIANÆ AMMONIATA.

U.a. except that 1 minim less each of oil of nutmeg and oil of lemon in the pint of tincture is used in the new formula.

TR. VALERIANÆ INDICÆ AMMONIATA.

Formula identical with the preceding save that Indian valerian-rhizome is specified.

TR. ZINGIBERIS (u.a.).

(To be continued.)

WILLS PROVEN.

THE will of Mr. Charles James Miller, Oughtrington House, Lymm, Cheshire, and of Manchester, retired baking-powder manufacturer, has been proved at 116,585*l.* gross.

MR. WALTER JOHNSTONE, chemist and druggist, Cromarty, who died on May 27, left personal estate in the United Kingdom valued at 82*l.* Probate has been granted to Mr. W. E. Johnstone, Brora.

MR. GEORGE CRESSWELL, M.A., L.R.C.P., etc., Louth, author of "The Veterinary Pharmacopœia and Manual of Comparative Therapy," who died on September 16, left estate valued at 674*l.* 18*s.* 3*d.* gross, with net personality 658*l.* 1*s.* 1*d.*

MR. JOHN HARRISON, Overdale, Hinderton, Neston, Cheshire, a partner in Wright, Crossley & Co., spice-merchants, Liverpool, who died on September 7, left estate valued at 24,247*l.* 10*s.* 7*d.* gross, with net personality 21,217*l.* 2*s.* 5*d.*

MR. OLIVER LAMBERT, 12 Louis Street, Kingston-on-Hull, chemist and druggist, who died on August 14, left estate valued at 4,620*l.* 4*s.* 10*d.* gross, with net personality 4,533*l.* 2*s.* 5*d.* Probate has been granted to his brother, Mr. Albert Lambert.

PROFESSOR JOSEPH REYNOLDS GREEN, F.R.S., Sc.D., Cambridge, who died on June 3, left estate of the gross value of 2,051*l.* 9*s.* 8*d.*, of which 1,619*l.* 13*s.* 3*d.* is net personality. Probate of his will has been granted to his brother, Mr. G. E. Green, M.A., Luard Road, Cambridge.

MR. SAMUEL BONNAR, the last partner of the firm of Bonnar & Henderson, druggists, Ballymena, who died on July 30, bequeathed legacies to be paid to the British and Foreign Sailors' Society, the Ballymena Cottage Hospital, and the Ballymena District Nursing Society. He also bequeathed certain other parts of his property upon trust to be used for the benefit of the Reformed Presbyterian Church in Ireland, and for the supply of coal to old people.

MR. JOSEPH BAMFORTH, 74 Winwick Street, Warrington, chemist and druggist, who died on August 4, left estate of the gross value of 7,129*l.* 1*s.* 7*d.*, of which 4,848*l.* 0*s.* 3*d.* is net personality. Probate of his will has been granted to his widow, Mrs. Louisa Jackson Bamforth, and his son, Mr. Joseph Bamforth, surgeon, both of Warrington. The testator left 200*l.* and his household and personal effects and the goodwill of his business to his wife, Mrs. Louisa Jackson Bamforth, and the residue of his estate upon trust for his wife during widowhood, or, in the event of her re-marriage, 130*l.* per annum; and subject thereto he left 1,000*l.* to his daughter Mary Louisa, and the ultimate residue of his estate to his children, Mary and Joseph, in equal shares.

Insurance Act Dispensing.

A Weekly Record of events and decisions concerning Chemists' interests in Medical Benefit administration and practice.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Winter Session.

ENGLAND.

Bath.—The Pharmaceutical Committee have submitted to the Insurance Committee the Draft Tariff for 1915, with the suggestions from the Pharmaceutical Society regarding the pricing of drugs supplies of which are affected by the war, as the basis of the 1915 agreements.

Birmingham.—Mr. J. F. Liverseege, city analyst, reports that during last quarter forty prescriptions made out by panel doctors were taken by inspectors to panel chemists to be dispensed, and twelve samples of medicine from eleven different chemists were found not to have been properly dispensed. In each case the vendor was cautioned by the Insurance Committee. In all cases the directions on the labels were correct or practically so. The labels used by two chemists bore the advertisement of a proprietary article, and the Committee informed the dispensers that they did not approve of Insurance prescription-labels being used as an advertising-medium. The medicines examined included ten bismuth mixtures (two unsatisfactory), ten quinine mixtures (one unsatisfactory), ten sodium-salicylate mixtures (four unsatisfactory and one dispensed in a bottle with the name of a disinfectant moulded on the glass, which the report describes as a most unwise proceeding), and ten samples of cod-liver-oil emulsion (five unsatisfactory).—A meeting of fifty panel chemists was held at the Imperial Hotel on October 14 for the consideration of matters connected with Insurance dispensing. Mr. H. E. Gill was in the chair. Among the subjects discussed was the new local Pharmacopœia, which was described as a "discreditable production and unfair to the insured." Resolutions were passed expressing dissatisfaction with the Pharmaceutical Committee for (1) allowing the Birmingham Insurance Pharmacopœia to be published without expressing strong disapproval or calling a meeting of panel chemists; (2) neglecting to call meetings of panel chemists in time to take action with other discounted areas for the removal of the discounting clause in the new contracts; and (3) not pressing for payment or assurance of eventual payment of amounts discounted. The Pharmaceutical Committee was asked to forward the following resolution to the National Insurance Commissioners, and convene a meeting of panel chemists to deliver the reply:

"That this meeting of fifty Birmingham panel chemists draw the attention of the Commissioners to the hardship and injustice of the discounting clause, and request its removal from next year's contracts; they also draw attention to the serious loss incurred by Birmingham panel chemists so far, and ask the Commissioners if it is their intention to apply to the Government for a grant to pay such deficiencies in full."

Another resolution was also passed in regard to the basis of dispensing-fees being on two-tablespoonful doses. The regular substitution of one-tablespoonful doses in the new Pharmacopœia is a subversion of the Commissioners' intention, and should not be allowed. Messrs. H. E. Gill and H. O. Lloyd were appointed a committee to deal with any business arising out of the resolutions, and to call an adjourned meeting to decide on future action.

Cumberland.—At a meeting of the Insurance Committee on October 16 a report on the expenditure on drugs was presented, which stated that in the first quarter of the Act drugs cost 934*l.*; in the second, 929*l.*; in the third, 934*l.*; in the fourth, 1,191*l.*; and in the fifth, 1,597*l.* The increase was largely due to the employment of proprietary articles. The Panel Committee had made an investigation, and were to communicate with the practitioners in regard to the matter.

Derby.—The Finance Sub-Committee on October 21 recommended to the Insurance Committee that chemists be paid 60 per cent. of the amounts of their accounts as rendered for the quarter ended October 11. Mr. W. Elmitt, the pharmaceutical member of the Committee, moved that 70 per cent. be paid. The Chairman, in supporting that amendment, stated that he thought the Sub-Committee had erred on the side of caution. In 1913 the total of the chemists' accounts was 3,789*l.*, and the Drug Fund only amounted to 3,612*l.*, so that 18*s.* 3*d.* was paid. For the first quarter of 1914 the accounts were 50 per cent. higher than in the same period of 1913; for the second they were a little over 1,000*l.*, as compared with 900*l.*; and for the third just under 1,000*l.*, as against 840*l.* In the fourth quarter of last year the sum was 1,060*l.*, and if the increase in the past nine months was maintained the Committee

would not be able to pay anything like 18s. 3d. in the pound. If 60 per cent. was allowed for the third quarter there would be 900l. in hand with which to meet the fourth quarter's bills and to make the adjustment. He thought it was very hard that the chemists should have to pay out a large sum of money for materials and wait six months before it was returned to them. The amendment was carried.

Dudley.—In a report to the Insurance Committee, the General Purposes Committee states that funds will allow of chemists' accounts for the past quarter being paid in full.

Halifax.—The Halifax Chemists' Association have decided to continue their present agreement with the Insurance Committee for a further six months, recognising that the present is an inopportune time to make a change. With regard to the price of drugs affected by the war, the Association have agreed to the scheme of fixing prices monthly according to the state of the market.

Herefordshire.—The Pharmaceutical Committee on October 15 decided to accept the Bloomsbury Draft Tariff for 1915. Mr. George Donaldson (Hereford) was elected Chairman, and Messrs. Hart (Ross) and Roper (Kington) were co-opted as members of the Committee. The accounts for 1913 were finally passed, and it is expected that payment will be made in full, the average cost per insured person being 1s. 7.23d.

Leeds.—The Insurance Committee on October 17 paid to chemists 80 per cent. of their accounts for the month ended September 11.

London.—A meeting of the Insurance Committee was held on October 22, when the Finance Sub-Committee recommended that payments amounting to 14,323l. 8s. be made to chemists for July 1914. The Drugs and Appliances Sub-Committee submitted particulars of numbers and cost of prescriptions, as given in the *C. & D.*, September 26, p. 80, with the additional information that in July 1914 the prescriptions numbered 391,812, the total cost as allowed being 15,113l. 14s. 7d., and the average cost 9.3d. Regarding the investigations undertaken to provide the Panel Committee with information as to expensive and extravagant prescribing by practitioners, the Sub-Committee reported that as a result of the classification of prescriptions a selection was made of the prescriptions written by 240 practitioners, in whose cases a special examination seemed desirable. These cases had been remitted to the Panel and Pharmaceutical Committees for investigation in accordance with the Regulations. The Medical Benefit Sub-Committee reported that at September 30 there were on the panel for the supply of drugs and appliances: 790 chemists in general practice, thirty-three chemists in institutions, and twenty-six other persons; total, 849. The names of five persons had been added to this panel, and a like number of names had been removed during September. The Medical Benefit Sub-Committee also reported on the position of the Drug Fund, pointing out that payments to chemists at the rate of 90 per cent. of the amounts of their accounts could not be continued, as the medical year 1914 was eleven days short of a full calendar year, and the deductions in respect of case-values is likely to be greater than in 1913. The Sub-Committee recommended that, subject to the concurrence of the Pharmaceutical Committee, payments be made to chemists of 60 per cent. of the amounts of their accounts as allowed for the months of August and September. The Sub-Committee also reported on the 1915 agreements for drugs embodying the modifications proposed by the Commissioners and the new clauses agreed to by the British Medical Association and Pharmaceutical Society, including war prices, new B.P., and stock mixtures (see p. 47). It was further agreed to add the following note to the Tariff:

The actual prices in the Tariff are fixed prices arrived at in accordance with the principles of the Tariff, modified in some cases by special considerations. In calculating the price for quantities between those specified, the following rule to be observed:

Prices to be nearest $\frac{1}{4}$ d. or 1d. up, when the fraction reaches 0.25 or 0.75 of a penny respectively. Smaller fractions to be dropped to nearest 1d. or $\frac{1}{4}$ d. as the case may be. Thus 1.25d. = $\frac{1}{4}$ d., 1.24d. = 1d., or 1.75d. = 2d., 1.74d. = $\frac{1}{4}$ d.

Aq. flor. aurant., aq. rosæ, aq. sambuci, inf. ergotæ, and sulphur. Brompton cough, and linseed, liquorice, and chlorodyne lozenges are to be removed from the list. Tab. guaiacoli, carb. and thyroid tablets are to be added at the rate of 3d. per dozen, and the price of decoctions (except aloes and sarsæ co.) is to be $\frac{1}{4}$ d. per oz. Emp. bellad. on calico is to be 1d. per 12 sq. in. Grey bandages are to be supplied when "bandages" are ordered, and the following note is added:

Bottles.—Medicines should be supplied in marked bottles with an indication on the label that the markings on the bottle indicate the doses to be taken.

The Medical Service Sub-Committee reported that they had investigated seventeen complaints and questions arising between panel practitioners and insured persons. There were no complaints against chemists. It was reported that Mr. W. J. Uglov Woolcock had been appointed to succeed Mr. Edmund White as a member of the Committee; Mr. Woolcock was elected to take Mr. White's place on the Medical Benefit Sub-Committee. (See also p. 55.)

London (N.E.).—A meeting of the North-East London Pharmaceutical Association was held at the Hackney Baths on October 15. Mr. G. B. Barnard occupied the chair, the President (Mr. C. E. Fox) being seriously ill. Twenty-seven members were present. The dispensing scheme for dependants was discussed and agreed to, and pharmacists were appointed to the local Committees. The meeting expressed the opinion that an efficient and adequate service is maintained for the supply of medicines during the night for insured persons. Divided opinion was expressed on the subject of claiming on advanced drugs on the new forms. The proposed Tariff for 1915 was explained by Mr. Scott. The subject aroused a certain amount of criticism, but a spirit of moderation was strongly counselled by Mr. W. B. Trick, in view of the serious crisis the country is going through, and the Tariff was accepted. The outlook in regard to heavy discounting of 1914 accounts was received on the whole with a spirit of resignation, hopes being expressed that safeguards would be provided in the future.

Manchester.—The report of the Special Sub-Committee appointed by the Insurance Committee early in the present year "to inquire and report on the present system of medical service, and, if such system is found inadequate, to recommend some alternative system," has been issued. It contains the following unanimous conclusions:

- (1) That the Manchester system does provide an adequate medical service.
- (2) That insured persons do receive adequate medical attendance and treatment thereunder.
- (3) That it is more satisfactory to the insured than the capitation system.
- (4) That having regard to the influence exercised by the Local Medical and Panel Committees, it can be made more advantageous to Approved Societies than the capitation system.
- (5) They therefore recommend that, subject to the concurrence of the local Medical and Panel Committees, the system be continued.

The following suggestions are made for improving the efficiency of the service:

- (1) The establishment of some ready and proper means of communication between practitioners and Approved Societies.
- (2) Co-ordination of hospitals with Insurance Medical Service.
- (3) Appointment of medical referees.
- (4) Definition of duties to be agreed upon between parties concerned, subject to the approval of the Commissioners.
- (5) Absolute prohibition by Approved Societies of any interference by agents, collectors, or sick visitors between doctors and patients.

Regarding the pharmaceutical service, the report paid high testimony to the general efficiency. The Committee failed to discover any foundation for the statements that an inferior quality of drugs had been supplied to the insured. The Committee formed the opinion that the establishment of a whole-time or salaried medical service is not at present practicable. At the same time they consider that the ideal service can best be secured by the appointment of whole-time medical officers with the requisite facilities for proper treatment.

Middlesex.—At a meeting of the Pharmaceutical Committee on October 14 it was reported that the Panel Committee would be unable to meet before October 22, so that the time-table suggested by the Commissioners in regard to the 1915 agreements could not be kept so far as Middlesex was concerned. A report was made by the Checking Sub-Committee animadverting strongly on the neglect of the county interests by the Joint Checking Committee of London and Middlesex. After an animated discussion, during which it was stated that for the current year there was every possibility that the county would be added to the list of discounted areas, it was resolved:

That this Committee empower the pharmacist members of the Checking Sub-Committee to take the strongest possible action to ensure that all the financial details of the Drug Fund and chemists' accounts should be forthcoming for the next meeting.

Newcastle-upon-Tyne.—At a meeting of the Insurance Committee on October 20 it was reported that for the quarter ended July 11 the prescriptions dispensed numbered 60,426, at a cost of 2,137l. 14s. 9d. For the quarter ended April 11 the average price of prescriptions was 8.66d.

Northampton.—The Insurance Committee on October 13 passed for payment advances on account of chemists' accounts for the quarters ended July 11 and October 11. The question of the deficiency on the 1913 Drug Fund (40l.) was raised, and the Medical Benefit Sub-Committee reported that, on investigation, the Panel Committee had

concluded that there had been no over-prescribing in 1913. They had, however, reaffirmed their decision that there had been over-prescribing on the part of certain practitioners during the first quarter of 1914, and the Sub-Committee recommended that nine panel practitioners should be surecharged in amounts varying from 6s. 11d. to 75l. 10s. 3d., and totalling 197l. 15s. 6d., subject to the approval of the Commissioners.

Plymouth.—Messrs. Roper and Park, on behalf of local chemists, interviewed the members of Parliament for Plymouth (Mr. Waldorf Astor and Mr. Shirley Benn) on October 15 in regard to the unpaid chemists' accounts for Insurance dispensing. The members were asked to use their influence to get the Government to allow more money for the purpose of paying drug-bills in full.—At a meeting of the panel chemists of Plymouth held on Friday, October 16, Mr. Ancliffe (Chairman) read a letter that had been sent to the Commissioners asking for definite information before October 16 respecting the payment of outstanding balances of accounts, so that the Devonport and Stonehouse sections of pharmacists might decide upon their actions, seeing they were asked to join an overspent area. The Commissioners' reply contained no definite information. The situation was fully discussed, and it was finally agreed that the following recommendation be sent to all local pharmacists:

"That in view of the exceptional conditions prevailing at the present time, and as an affirmation of its confidence in the British Government to ultimately meet its honourable obligations, this meeting recommends pharmacists of the district to continue their services in the dispensing of drugs and the supply of appliances."

The meeting further agreed that a recommendation be sent to the Commissioners to the effect that pharmacists' accounts, as soon as found correct, should be paid in full, and should not be subjected to discounting, or that the Drug Funds throughout the country should be pooled so that pharmacists in certain areas should not be penalised by conditions which are beyond their control. The Draft Tariff for 1915 and the circular from the Secretary of the Pharmaceutical Society regarding the prices of drugs likely to fluctuate as a result of the war were accepted by the meeting.

Reading.—A report presented to the Insurance Committee states that chemists were paid 19s. 11½d. in the pound for the year 1913, and it was hoped that the small deduction will be made good shortly.

Warrington.—It was reported to the Insurance Committee on October 15 that the chemists and doctors did not agree regarding the new Drug Tariff. The Medical Benefit Sub-Committee were empowered to come to some arrangement with the Panel and Pharmaceutical Committees, and submit their suggestions to the Commissioners for approval.

West Bromwich.—At the Committee-meeting on October 20 it was reported that the Panel Committee had refused this Committee's offer of 1s. per 100 insured persons per annum for emergency medicines. They will therefore be paid on the chemists' basis for what they supply. Messrs. Allen, Osborne, and Kemsey-Bourne were elected to the Pharmaceutical Service Sub-Committee. The Insurance Committee reported that the prescriptions for the first quarter of 1914 had now been checked. There were 24,935 prescriptions, totalling 769l. 12s. 3½d. The total deductions, after allowing for all overcharges, amounted to 5l. 1s. 6½d., and the average price per prescription 7½d. The Medical Benefit Sub-Committee has recommended the Insurance Committee to accept the Smethwick joint scheme for checking prescriptions at a cost of approximately 30l. per annum. Insurance, Panel, and Pharmaceutical Committees to bear the cost equally between them.

SCOTLAND.

General Council of Panel Chemists.

A meeting was held at 36 York Place, Edinburgh, on Wednesday, October 14, Mr. J. P. Gilmour in the chair. Mr. Uglow Woolcock (Secretary of the Pharmaceutical Society) was present, and was cordially welcomed. Mr. James Lennox (Glasgow) has resigned his membership of the Pharmaceutical Standing Committee (Scotland), and Mr. R. Gordon Drummond (Falkirk) is to fill the vacancy. A report of the business done by the Standing Committee since the General Council's meeting on June 8 was submitted. Reports on organisation and finance were also submitted and approved.

The Prescription-checking Bureau proposal (*C. & D.*, October 10, p. 53) was fully discussed and sharply criticised, but as a whole favourably received. It was resolved, provided panel chemists are directly represented on the Committee of Management and the estimated cost is approximately correct, to recommend Pharmaceutical Committees to accept the plan as formulated by the Commissioners in Circular No. 598.

Arrangements for 1915.—The report from the Standing Committee indicated that the Insurance Commissioners had intimated that, while agreeable to a revision of the Drug Tariff in accordance with current market rates, with a special monthly revision of prices for drugs affected by the war, they were unable meantime, owing to the unsettled conditions resulting from the European war, to concede the other points included in the stated case submitted. During discussion proposals in favour of refusing service unless the five points in the stated case were immediately conceded, and also in favour of refusing service unless the discounting clauses are removed from the Regulations, were strongly advocated, but ultimately it was resolved as follows:

"That the General Council of Panel Chemists (Scotland), while adhering to the five points agreed upon at its meeting on June 8, 1914, as embodying the policy to be steadily pursued till a satisfactory basis of agreement is secured, meantime, in view of the existing national crisis, recommends panel chemists in Scotland to continue pharmaceutical service during 1915, provided the National Insurance Commissioners make an arrangement by which Insurance Committees shall permit any panel chemist to have his name removed from the list at the quarters ending March 31, or June 30, or September 30, 1915, on giving one month's written notice to that effect."

[The Commissioners, in a reply of October 16, say they "will be prepared to make the provision suggested in the resolution, by which Insurance Committees will permit any panel chemist to have his name removed from the list at the quarters ending March, June, or September, 1915, on giving one month's previous notice in writing to that effect." They add: "In the unlikely event of a number of chemists in any area coming off the panel and the arrangements for the supply of medicines being inadequate, the effect of carrying out the resolution might be such as to make the panel system unworkable, and the Commissioners might therefore in such circumstances be forced to make other arrangements in terms of the Acts and Medical Benefit Regulations framed thereunder." Accordingly the conditions proposed are the basis of the 1915 agreements.]

Mr. Kitchin having submitted a report on the revision of the Drug Tariff for 1915, the Drug Tariff Sub-Committee was asked to complete arrangements with the Insurance Commissioners.

Banffshire.—A meeting of the Insurance Committee was held on October 17, when the Medical Benefit Sub-Committee reported that the amount at the credit of the drug account would only allow of payments to chemists of 66½ per cent. of the accounts rendered, and it was agreed to pay the chemists to that extent. The Pharmaceutical and the Panel Committees had jointly considered the matter, and had resolved to ask the Insurance Committee to issue a circular recommending that, owing to the expense, proprietary articles should not be prescribed, and that where this was done "or equivalent" should be added. The Sub-Committee recommended that such circulars be issued, and the Insurance Committee agreed.

WALES.

Carmarthen.—The Pharmaceutical Committee on October 13 decided to adopt the Bloomsbury Draft Tariff for 1915. The payment of train-fares of members of the Pharmaceutical Committee out of the funds of the Insurance Committee, as suggested by the Cumberland Panel and Pharmaceutical Committees, was approved.

Denbighshire.—A special meeting of the Pharmaceutical Committee was held at Haswell's Café, Chester, on October 14, with Mr. J. W. Adamson (Colwyn Bay) in the chair. In regard to the new Drug Tariff, the circular sent out by the Pharmaceutical Society was discussed, and the Tariff agreed to. Extracts from the Commissioners' Memo. 201 I.C. were laid before the meeting, the proposed alteration in chemists' agreements as regards the date on which any necessary changes in the terms of service might come into operation being agreed to. The Committee next considered the Commissioners' Memo. 199 I.C. There was considerable discussion as to the incidence of the responsibility for defining what is to be considered "excessive prescribing." It was pointed out that, while the Pharmaceutical Committees have power to make representations as to what might appear to them to be excessive prescribing, the onus of investigation and report lies upon the Panel Committee. There was considerable discussion on the paragraph dealing with "Joint Administrative Arrangements for Checking and Scrutiny," and the Secretary was instructed to write to each Insurance Committee and Panel Committee on the matter. A communication was read from the Cumberland Panel and Pharmaceutical Committees in reference to the payment of the travelling expenses of members of Pharmaceutical Committees. The Welsh Commissioners, in reply to the Secretary, state that such expenses could not be regarded as administrative expenses. After some discussion, the Secretary as directed to write to the Commissioners in the matter and also to the Insurance and Pharmaceutical Committees of Wales, asking them to make representations to

the Welsh Commissioners, with a view to securing an amended ruling.

Merioneth.—The Insurance Committee recently suggested to the Welsh Commissioners that it was desirable that the Drug Fund for the whole of Wales should be pooled. A reply has been received to the effect that the suggestion cannot be entertained.

Merthyr Tydfil.—It was reported to the Insurance Committee on October 20 that the chemists' accounts for last quarter amounted to 412*l.* 5*s.* 10*d.* The total drug-bill for the quarter was 600*l.*, as compared with 900*l.* during the previous quarter.

Newport (Mon.).—The Pharmaceutical Committee on October 14 decided to accept the Draft Tariff for 1915, and to forward it to the Insurance Committee, as the basis of the 1915 agreements. An application by the Panel Committee for administrative expenses was considered and agreed to.

The Position in London

was fully and warmly discussed at the annual meeting of the County of London Pharmaceutical Association in the Holborn Restaurant on Thursday afternoon, October 22, Mr. J. Keall presiding. It arose on the following questions:

(a) "In consideration of the number of insured persons now engaged in defence of our country (both active and home service), and who are not now paying contributions, what will be the amount available in the Drug Fund for the present year?"—*Mr. W. Wilkinson* (Western Association).

(b) "Have we any claim upon the contributions paid by insured persons during the period July 1912 to January 1913 for purposes of defraying the cost of drugs, etc., supplied during the medical year 1913?"—*Mr. G. B. Bernard* (North-Eastern Association).

Replying to the first question, Mr. G. Tocher (Secretary) said from the information in his possession they could not estimate the extent to which the Drug Fund would suffer, but the deficit on account of insured persons who have enlisted would be balanced by the number of persons who had entered into insurance. Replying to the next question, he said chemists have no claim on such money. At this point Mr. Woolcock came in and addressed the meeting on the position of the Drug Fund, stating that 25 per cent. is the likely deficit for the year. He mentioned that ten stock mixtures will be recognised, and the dispensing-fees for them will be half. After discussion the meeting resolved to support the Pharmaceutical Standing Committee in any action taken in regard to the matter.

PERSONALITIES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

MR. HENRY M. LLOYD, chemist and druggist, Mayor of Merthyr Tydfil, is to be invited to retain the position for another year.

COUNCILLOR JOHN BIRKETT, Ph.C., Morecambe, has been invited to fill the office of Mayor of the borough for the coming municipal year.

MR. J. C. CLES, Ph.C., Market Place, Chippenham, is mentioned as the probable Mayor of the borough for the ensuing municipal year.

MR. J. P. FARR, solicitor, son of Mr. E. H. Farr, Ph.C., Uckfield, has passed with honours the LL.B. examination of the London University.

MR. W. A. WAYLAND, of Messrs. W. A. Wayland & Co., manufacturing chemists, Deptford, has been invited to accept the Mayoralty of the borough for the coming municipal year. It is understood that the invitation has been accepted.

Among those who have been appointed Justices to exercise locally the powers conferred by the Lunacy Act, 1890, are Mr. Richard Sturton, chemist and druggist, and Mr. A. S. Campkin, chemist and druggist, both of Cambridge; Mr. J. S. Battle, Ph.C., Lincoln; also Mr. D. T. Evans, chemist and druggist, Margate.

MR. W. S. GLYN-JONES, M.P., has been ordered by his medical advisers to rest for several weeks, and he and Mrs. Glyn-Jones are at present staying at Matlock. The member for Stepney has a muscular affection of the right eye, which is annoying while it lasts, but otherwise he is well. The strain of recent months and a delayed holiday certainly dictated a quiet time for him.

MR. JOHN EVANS, F.I.C., Ph.C., public analyst for the City of York, of the firm of Messrs. Smith, Stephenson & Evans, public analysts for the City of Sheffield, has been appointed public analyst for Cardiganshire, his native county, during the absence of Dr. Brooke, the county analyst, in Tasmania. Mr. Evans, who was a Bell Scholar in 1897, is the senior Vice-President of the Sheffield Pharmaceutical and Chemical Society.

TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., October 22, 6.30 p.m.

WITH few exceptions dealers report quiet markets all round, and prices generally have had a downward tendency. These we give fully in the table below, and may add that larger receipts from various neutral ports have helped much in this direction. Certain articles, like salicylates, salol, phenazone, and phenacetin, are tending upwards owing to the demand and increasing difficulty of obtaining supplies; on the other hand, prices of chloral, formaldehyde, phenolphthalein, bromides, vanillin, hydroquinone, etc., have moved slightly in buyers' favour. Other changes include an advance in atropine, codeine, and chaniomiles. Menthol, star-anise oil, kola, Japanese refined camphor are more or less cheaper. The chief movements are as follows:

Higher	Firmer	Easier	Lower
Antimony	Ammonia	Anise oil	Benzols
Atropine	sulphate	(star) (spot)	Canary-seed
Carbolic acid	Caraway-seed	Bromides	Cumin-seed
Chaniomiles	Salicylates	Camphor	Formaldehyde
Codeine	Salol	(Jap. ref.)	Linseed oil
Phenazone	Wax, Japan	Chloral	Peppermint
Turpentine	(c.i.f.)	hydrate	oil (Amer.)
		Cloves	Rape oil
		Coriander-seed	Red lead
		Cottonseed oil	White kad
		Hydroquinone	
		Kola	
		Menthol	
		Palm oil	
		Phenol-	
		phthalein	
		Spearmint oil	
		Vanillin	

Cablegram.

NEW YORK, October 21.—Business in drugs is fair. Opium is lower at \$9.25 per lb. for druggists'. Peppermint oil in tins is 5c. lower at \$1.60. Menthol is easier at \$2.70. Cascara sagrada is cheaper at 7½c., and copaiba balsam at 37c. is easier. Other reductions include Canada balsam and Oregon balsam at \$7.25 per Amer. gal. and 75c. per lb. respectively.

London Markets.

ACETYL SALICYLIC ACID is becoming more difficult to obtain, it being stated that the French Government has prohibited the export, together with many other pharmaceutical chemicals. It is fully worth 6*s.* to 6*s.* 6*d.*

ALMOND OIL.—Arrivals of almonds are taking place in very fair quantity. True B.P. sweet is unchanged at 2*s.* 8*d.* per lb.

ANISE OIL (STAR).—Extremely quiet, with sellers of "Red Ship" brand at 6*s.* per lb. spot.

ANTIMONY.—Crude on the spot for prompt delivery is dearer at 19*l.* per ton. English regulus is firm at 55*l.* and Chinese at 50*l.* per ton net on spot.

ATROPINE is extremely scarce and dearer. B.P. sulphate is quoted in small lots only at from 60*s.* to 65*s.* per oz., and even higher.

BERGAMOT OIL.—For prompt shipment 13*s.* per lb. c.i.f. is quoted.

BLEACHING-POWDER is offered at from 7*l.* 15*s.* to 8*l.* per ton on spot.

BROMIDES.—In view of arrivals, market is the turn easier, and English makers would probably sell at slightly under their scheduled prices. There are outside offers at 3*s.* 6*d.* for potassium and 3*s.* 3*d.* for sodium and ammonium.

CALOMEL.—At the beginning of October the English makers' price was 3*s.* 2*d.*, but since then there have been advances of 6*d.* and 4*d.*, making the price about 4*s.* All orders, however, are considered on their merits, and this price is not definitely fixed.

CAMPHOR (REFINED).—On the easier side, with sellers of Japanese 2½-lb. slabs at 1*s.* 11*d.* spot, and tablets at 2*s.* 1*d.* to 2*s.* 2*d.*

CANARY-SEED.—Owing to large arrivals from Morocco and Spain and a small demand, the market is weaker. Good Morocco is quoted 97*s.* 6*d.*, and fair quality Spanish can be bought at 110*s.* per quarter.

CANNABIS INDICA.—The value of true Bombay tops is 6*s.* 3*d.* per lb. nominally.

CANTHARIDES.—There is an offer to sell Chinese at 5*s.* c.i.f., this figure excluding business. Russian is unobtainable.

CARAWAY-SEED is firmer, at 30*s.* per cwt. for good Dutch.

CARBOLIC ACID.—One maker of pharmaceutical quality in the North has advanced his price to 1*s.* per lb. for 40° C. ice-crystals in large-bulk packing.

CHAMOMILES are dearer, with new-crop Belgian offering in very limited quantity at 150*s.*, and in all probability still higher rates will be seen.

CHLORAL HYDRATE is offered at 6*s.* 6*d.* per lb. duty paid ex wharf London, at which business has been done.

CINCHONA.—At the Amsterdam auction to be held on November 5, 1,507 packages (778 bales and 729 cases) pharmaceutical bark will be offered, weighing 81,416 kilos. The first-hand stock at Amsterdam on October 15 consisted of 10,411 packages Government and 53,791 packages private bark. The shipments of bark from Java to Europe during August amounted to 978,000 Amst. lb., against 1,909,500 Amst. lb. in 1913. The total shipments (January-September 1914) amounted to 20,155 packages, against 20,525 packages in 1913. At the London auction on Tuesday 345 packages East Indian offered, and about 200 sold at and after the sale, the average unit being unchanged at 1½*d.* per lb. East Indian officinalis original stem chips 4½*d.* to 5½*d.*, renewed ditto 5½*d.*, and root 5½*d.*

CITRIC ACID is quoted at from 3*s.* to 3*s.* 2*d.* spot.

CLOVES.—Zanzibar have been quiet, with spot sellers at 3*d.* per lb.

COCA-LEAVES.—The auction to be held at Amsterdam on November 5 will consist of 1,742 packages, weighing 91,919 kilos. The exports from Java to Europe during September amounted to 1,684 packages, against 1,189 packages in 1913. The total exports from January to September 1914 amounted to 20,155 packages, against 20,525 packages in 1913.

COD-LIVER OIL.—Prime non-congealing 1914 Lofoten oil is quoted at 70*s.* per barrel, c.i.f. terms, *plus* war-risk and extra (war) freight. For finest quality on the spot the value is about 77*s.* 6*d.* to 80*s.* per barrel. At the close we hear of a quotation of 69*s.* f.r. Hull, *plus* a war-risk premium of about 2 per cent.

CODEINE is firmer at from 16*s.* to 17*s.* per oz. for the pure alkaloid. Demand recently has been large, and one maker is unable to offer.

CORIANDE-SEED is rather easier, at 11*s.* to 11*s.* 6*d.* per cwt. for sound Morocco, and at 9*s.* for wormy.

CREAM OF TARTAR is offered at from 170*s.* to 175*s.* per cwt. for prompt delivery. Business to arrive has been done at considerably less than the above.

CUBEBS.—The value of fair quality is 7*l.* 12*s.* 6*d.* and stalky 7*l.* 5*s.* per cwt.

CUMIN-SEED is rather lower, at 42*s.* 6*d.* per cwt. for good Morocco.

FORMALDEHYDE.—Owing to the large demand sellers in the United States are asking higher rates. Fair spot supplies are, however, available at the moment at from 62*s.* 6*d.* to 65*s.*

GALLIC ACID.—Supplies are coming forward from U.S.A., and would probably be obtainable at 3*s.* 6*d.* to 4*s.* per lb.; the same applies to tannic.

HEXAMETHYLENETETRAMINE can still be bought at 4*s.* per lb.

HONEY.—Fair liquid Jamaica has been sold at 27*s.*, and for good pale Cuban 34*s.* has been paid in quantity. Good pale amber Californian is offered at 36*s.* c.i.f. London, and Honolulu at 26*s.* in cases.

HYDROQUINONE.—With rather better supplies, prices are easier at 10*s.* 6*d.* per lb.

IPECACUANHA.—Further business has been done in Matto Grosso description, values being from 8*s.* 3*d.* to 8*s.* 6*d.* per lb.

IRISH MOSS.—Good white qualities, usually obtainable from France, are practically unobtainable.

KOLA.—Recent arrivals of fair West Indian are offering at 3*d.* per lb.

LEAD ACETATE is scarce at 37*l.* 10*s.* per ton ex wharf.

LEMON OIL remains unaltered, new crop for forward shipment offering at 4*s.* 6*d.* per lb. c.i.f., the spot values being from 5*s.* to 5*s.* 6*d.* per lb. At the present time business in Sicily is practically at a standstill, and it is difficult to say what is going to happen with regard to the new crop.

LIME-JUICE is very firmly held, and for good bright Dominica 2*s.* 9*d.* per gal. has been paid.

LINSEED is steadier, at 45*s.* to 50*s.* per quarter for good qualities.

LITHOPONE.—The value of "Red Seal" is from 18*l.* to 19*l.*

MENTHOL.—Spot sellers offer at 10*s.* per lb.

MILK-SUGAR.—Some of the principal dealers are asking 90*s.* per cwt. for finest make, as higher prices are being paid in the United States.

MORPHINE is steady at from 10*s.* 9*d.* to 11*s.* per oz. for hydrochloride powder from makers, as to quantity.

NAPHTHALINE.—Balls of good quality are quoted 14*s.* in casks and 15*s.* 6*d.* per cwt. in kegs.

OILS, FIXED.—Prices generally are tending downwards, comprising linseed, rape, cottonseed, and palm oils. *Linseed* in pipes closes at 20*s.* 9*d.*, and in barrels at 21*s.* spot. *Coconut* is firm at 56*s.* to 56*s.* 6*d.* for good white Cochin and 48*s.* to 49*s.* 6*d.* for Ceylon; London-pressed is 40*s.* 6*d.* *Rape* is cheaper, ordinary brown crude naked offering at 32*s.* spot; Ravison naked on spot 30*s.*, and English refined in barrels 34*s.* 9*d.*, the latter being 9*d.* cheaper. *Cottonseed* is easier, crude in pipes on spot offering at 24*s.* 6*d.* to 25*s.*, refined in pipes at 25*s.*, sweet refined in barrels 30*s.* 6*d.*, and American sweet p.s.y. at 30*s.* net ex wharf. *Soya* remains at 25*s.* 6*d.* in cases for Manchurian on spot. *Lagos Palm oil* in Liverpool is cheaper at 31*s.* per cwt. spot. *Petroleum* is unaltered at 7½*d.* for Russian, 7¾*d.* for American, and 8¾*d.* per gal. for water-white.

OPIMUM.—A Smyrna correspondent writes, on October 2, that the sales this week amount to 11 cases extra Karahissar t.q. at ptns. 255 per oke, which, calculating ptns. 95 the best possible exchange per £ stg. for cheque on London, is equivalent to 21*s.* per lb. Very little opium, however, is available, as the bulk of the Smyrna stock is deposited in our banks which will not part with it unless all the advance they made is returned in liquid money, very little of which is now in circulation. The arrivals in Smyrna to date are 1,203 cases, against 3,136 at same date last year.

ORANGE OIL.—New crop sweet is quoted at 7*s.* 6*d.* per lb. c.i.f. for finest quality.

ORANGE-PEEL.—Genuine Tripoli strip retails at 2*s.* 6*d.* per lb., a single case having been sold at this figure.

OXALIC ACID is firm and scarce at 8½*d.* per lb.; supplies are being offered sparingly.

PARIS WHITE in 2-ton lots is quoted 20*s.* in lump and powdered at 22*s.* 6*d.* per ton f.o.r.

PEPPER remains firm, the spot value of fair black Singapore being 5½*d.* per lb., and for Tellicherry 5½*d.* has been paid. The value of Lampong remains at 5½*d.*; to arrive Singapore for October-November steamer shipment is quoted 4½*d.* c.i.f. d.w. The value of fair white Singapore on the spot is 10½*d.* (good has been sold at 10¾*d.*), fair Siam 10¾*d.*, Muntok 11¾*d.*, and Penang 8¾*d.* per lb.

PEPPERMINT OIL.—American in tins of best brands is offered at 7*s.* 3*d.* to 7*s.* 6*d.* per lb. net ex wharf London, and to arrive at 7*s.* 3*d.* H.G.H. is unchanged at 12*s.* 6*d.*

PHENACETIN is becoming increasingly difficult to procure from Switzerland, and those who import it from U.S.A. find there is very little profit after paying the high charges; there are sellers at 6*s.* 6*d.* per lb.

PHENAZONE.—Tending dearer at from 10*s.* 6*d.* to 11*s.*, owing to the fact that French makers are unwilling sellers.

PHENOLPHTHALEIN is easier, owing to better supplies, which are obtainable at from 8*s.* 6*d.* to 9*s.* per lb.

POTASH CARB.—The value of Russian (90 to 92 per cent.) is about 45*l.* per ton.

POTASH CHLORATE is very scarce, with business at 9*d.* per lb. for spot supplies. Up to the present the export from this country has been barred, no permits being granted by the Privy Council. Some English makers have a fair

stock, others have very little while dealers and agents for foreign make are mostly cleared out, but fresh supplies are expected in about a fortnight.

POTASH PERMANGANATE is being imported from Germany *via* Sweden, which transgression has given much "food for thought" among loyal firms, especially when the huge profit is considered. Before the war the price was about 35s., but the value is now between 140s. and 165s. as to seller.

PYROGALLIC ACID of American make in 1-oz. bottles is obtainable at 15s. per lb.

QUICKSILVER.—A trifle weaker at the close, small quantities offering for home consumption at 10*l.* 5s. to 10*l.* 10s. per bottle. Leading importers do not quote.

QUININE.—The fact that quinine and its salts are not allowed to be freely exported gives an easy undertone to the markets, and, although the price of German sulphate in bulk from second-hand is 1s. 2½*d.*, an occasional seller might be found at less. At the auction held at Amsterdam on October 16, 1,417½ kilos. (50,000 oz.) Ed. II. were offered, of which 567 kilos. sold at fl.21.50 per kilo., against fl.21.45 per kilo. at the previous auction. The next auction will be on November 13, when a similar quantity will be offered.

RESORCIN is scarce at from 5s. to 5s. 6*d.* per lb.

SALICYLATES are becoming scarcer daily, and the English makers are unable to cope with the demand. Fully 5s. would have to be paid for acid and 5s. 6*d.* for soda.

SALOL.—Firm and in good demand, with increasing difficulty to obtain supplies; sellers quote 5s., which is readily paid.

SANTONIN is becoming scarcer every day, at from 180s. per lb. upwards.

SENEGA is offered in several quarters at 1s. 9*d.* per lb. net on spot, and at 1s. 8*d.* c.i.f.

SENNA.—There have been no arrivals to replenish the extremely small spot stocks of Tinnevely or Alexandrian, and prices are very firm.

SHELLAC remains quiet, with sellers of usual standard quality TN on the spot at 55s., and free A. C. Garnet at 59s. 6*d.*

SODA HYPOSULPHITE.—Pea crystals offer at from 12s. 6*d.* to 15s. per cwt. in kegs, ex wharf, according to quantity. Fair supplies have come forward from U.S.A.

SPEARMINT OIL is easier at 8s. 3*d.* to 8s. 6*d.* per lb. on spot, and 8s. c.i.f.

TARAXACUM.—English is extremely scarce, the value being about 72s. 6*d.*

TARTAR EMETIC is very scarce at 2s. per lb.

TARTARIC ACID is quoted at 1s. 9*d.* spot.

TURMERIC.—Although stocks are fairly heavy, values have advanced owing to an improved demand. For bright Madras finger 25s. is wanted, and 20s. for good Madras bulbs. Bengal finger is quoted 19s. 6*d.* to 20s., and Cochin split bulbs 16s. to 16s. 6*d.* per cwt.

TURPENTINE is dearer, American closing at 32s. 4½*d.* per cwt. on the spot and at 32s. 7½*d.* for November-December.

VALERIAN.—Belgian is very scarce, apparently nothing being obtainable at the present.

VANILLIN is easier, at from 23s. to 24s. per lb. for genuine, manufactured from eugenol.

WAX, BEES', is firm. Jamaica is quoted 9*l.*, bleached Calcutta 8*l.* 10s. to 8*l.* 12s. 6*d.*, East African 7*l.* 15s., and Gambia in Liverpool at 8*l.* 10s.; small sales of Chilian have been made at that port at 9*l.*

WAX, JAPANESE, remains steady, with small sales at 50s. per cwt. c.i.f.; spot price is 55s. to 57s. 6*d.*

WITCH-HAZEL EXT. containing 20 per cent. alcohol is offered at 7s. 3*d.* net on spot.

Heavy Chemicals.

The general trend of business in the heavy-chemical market is of an encouraging character, and when all things are considered the inquiries both on home and export account are good. A certain volume of business is being done over next year, but in some lines nothing has yet been attempted, while under normal conditions the major part of the contracts would already have been concluded for next year. Values are steadier.

SULPHATE OF AMMONIA.—This market is firmer and has a distinctly improved tone, since dealers especially are showing an increased interest. Foreign inquiries are not heavy, and little, if anything, is being done on forward account. Present nearest figures: London terms, 25-per-cent., 10*l.*; Leith, 10*l.* 17s. 6*d.*; Liverpool, 10*l.* 15s. to 10*l.* 17s. 6*d.*; and Hull, 10*l.* 12s. 6*d.*

BENZOLS are very quiet, and are lower in value. Present naked figures: 90-per-cent., 11½*d.*, and North, 9½*d.* to 10*d.* Lead-products are also lower; red-lead at 23*l.*, and white-

lead at 23*l.* per ton, Tyne. Crystal alum, lump, 6*l.* 5s. to 6*l.* 10s., and ground, 7*l.* to 7*l.* 5s., free on rails. Sulphate of alumina, pure qualities, 5*l.* 5s. to 6*l.* 5s. per ton, according to quality and subject to arrangement *re* delivery. Barium-chloride crystals, 12*l.* to 13*l.* per ton, in casks; barium-hydrate crystals, about 18*l.* per ton.

Mysore Sandalwood-auctions.

The Mysore sandalwood-auctions, which were to commence on November 19, have, owing to the war, been postponed until March 1915. This decision appears to be based on the probable absence of competition at the sales necessitated by the exclusion of German buyers. The quantity originally proposed to be offered was 1,100 tons, or about half that offered at the auction a year ago, but it cannot be said with certainty what quantity will be offered on the next occasion. It has been suggested that with the elimination of Germany—the chief buyer—demand will be materially lessened, and that prices of the wood, already very high, would decline; but against this must be placed the greatly reduced quantity on offer. In normal times about 500 tons is taken by native buyers in India, and the other large buyers are the United States, Holland, France, and England. It may be pointed out that although German competition has been practically shut off since the outbreak of war, the price of sandalwood oil has not advanced, sellers of genuine English drawn offering at about 21s. to 22s. per lb., but at these prices the demand is slow, and stocks are not likely to run short.

The Week's Arrivals.

During the period October 15 to 21, inclusive, the following drugs, chemicals, and allied produce have arrived at the principal English ports. Where not stated the figures denote packages:

Acetic acid (New York) brls. 54, (Rotterdam) dems. 50, cks. 38, (Gothenburg) dems. 385	Cocoa butter (Amsterdam) 22
Acetone (Philadelphia) drms. 657, es. 20, (New York) drms. 10	Coconut oil (Sydney) drms. 150, cks. 70, (Marseilles) brls. 904, es. 45
Albumen (Rotterdam) 4, (Havre) 18, (Bombay) es. 47	Cod-liver oil (Rotterdam) es. 150, (Bergen) brls. 248, (Aalesund) brls. 50
Alcohol, wood (Philadelphia) brls. 5, drms. 364, (Montreal) drms. 136	Cotton-seed (Bombay) bgs. 22,000, (New York) 425
Almonds (Marseilles) bgs. 250, (Spain) pkgs. 5,389	Cotton-seed oil (U.S.A.) (brls.) 1,634
Ammon. bromide (New York) 65	Cotton-seed soap (U.S.A.) (brls.) 250
Ammonia, anhydrous (Philadelphia) pkgs. ... 110	Cream of tartar (Marseilles) cks. 41, (Bordeaux) cks. 20, (Palermo) cks. 20
Aniline colours (Rotterdam) 44	Dextrin (Holland) ... 50
Aniseed (Marseilles) ... 27	Divi divi (Vela de Cora) tons 370
Antimony salts (France) (cks.) 13	Drugs (Marseilles) es. 13, (Dieppe) 32
Apricot-kernels (Marseilles) bgs. 152, (Spain) 59	Dyes, colours, etc. (Marseilles) 8
Araroba (Bahia) ... (es.) 18	Ergot (Spain) 15
Argol (Barcelona) pkgs. 168, (Oporto) cks. 22	Essential oils (New York) es. 123, (Marseilles) es. 21
Arsenic (Oporto) (brls.) 79	Farina (Holland) (bgs.) 6,921
Balsam (Para) ... (es.) 71	Florida water (New York) (bxs.) 32
Barium binocide (France) (cks.) 40	Formaldehyde (Philadelphia) brls. 40, (Rotterdam) cbs. 79, cks. 10, (Gothenburg) cks. 11
Calcium carbide (Gothenburg) drms. 2,730, (Norway) 2,150	Formic acid (Rotterdam) (blns.) 30
Canary-seed (Spain) bgs. 2,746, (Holland) 200	Galls (Busreh) (bgs.) ... 164
Caramel liquid (Holland) (cks.) 70	Glucose (New York) ... 25
Caraway-seed (Holland) 550	Glycerin (Copenhagen) cks. 5, (Holland) drms. 17
Carbon black (Philadelphia) es. 1,138, cks. 98	Gum copal (Macassar) bkts. 254, (Holland) 159, (Portugal) pkgs. 65
Carbonic-acid gas (Rotterdam) 24	Gum damar (Batavia) es. 400, (Amsterdam) 121
Cardamoms (Colombo) ... 5	Gums unenum. (Marseilles) es. 105, (Holland) es. 50, bkts. 498, bgs. 97, (Persian Gulf) es. 46, bgs. 419
Cascara sagrada (New York) 546	Honey (Calif.) es. 421, (New York) brls. 50, es. 300
Casin (Cherbourg) 108, (Charente) 32	Hydrolene (U.S.A.) (brls.) 85
Castor oil (Marseilles) es. 35, brls. 30	Indigo (Havre) pkgs. 38, (Rotterdam) 35, (New York) pkgs. 15, (India) es. 9
Chemical products, medicines, etc. (New York) pkgs. 627, (Rotterdam) es. 13, (Copenhagen) es. 20	Ipecacuanha (Monte Video) 30
Cinnamon chips (Colombo) 200	
Citric acid (Marseilles) es. 20, cks. 32	
Cochineal (Teneriffe) ... 5	

Iron oxide (Marseilles) cks. 6, (New York) brls. 149	Quinine (Holland) (cs.) 16
Juniper-berries (Marseilles) ... 16	Rape-seed (Karachi) bgs. 2,240, (Shanghai) bgs. 28,000
Lactic acid (Amsterdam) 12	Rape-seed oil (Kobe) (cs.) 4,550
Lead acetate (Rotterdam) cks. 42, kegs 600 in tr.	Roots, barks, etc. (New York) ... 63
Lemon oil (Palermo) (pkgs.) 30	Rosin (Valencia) brls. 100, (Bordeaux) cks. 398, (U.S.A.) pkgs. 588
Lime, citrate (Dominica) brls. 198, cks. 2	Saccharin (Marseilles) cs. 20, (Rotterdam) cks. 49, cs. 5
Lime-juice (Halifax) pns. 20, (West Indies) pns. 19, (Dominica) pns. 190, hds. 250, cks. 66, (New York) pns. 26	Saffron (Alicante) (pkgs.) 3
Lime oil (Dominica) cs. 31, drms. 3	Saltpetre (Holland) 31, (Quebec) cks. 18, sks. 100, (Calcutta) bgs. 900
Liniment (Philadelphia) cs. 400	Sarsaparilla (New York) (bls.) 29
Linseed (Calcutta) bgs. 34,608, cwt. 20,413, (Monte Video) bgs. 1,227	Shellac (India) ... 25
Lithopone (Rotterdam) (cks) 222	Sodium caustic (Philadelphia) drms. 140, (Montreal) drms. 210
Mace (Penang) ... (cs.) 3	Sodium chlorate (Gothenburg) ... (cs.) 20
Magnesia (Copenhagen) (cks.) 120	Sodium hypo (New York) kegs 600, brls. 274
Magnes. chlor. (Holland) (pkgs.) 124	Sodium nitrate (Chile) bgs. 25,261, (Skien) cks. 306
Medicinal leaves, roots, etc. (Marseilles) (bls.) 257	Sodium salts (Gothenburg) 70, (France) cs. 200
Medicines (U.S.A.) (cs.) 436	Soya-bean oil (Dairen) cs. 20,000, drms. 83, (Rotterdam) cks. 30
Milk-sugar (Cherbourg) (brls.) 13	Stearic acid (Philadelphia) (bgs.) 336
Nut oil (Rotterdam) drms. 99, (Marseilles) brls. 6	Sulphuric acid (Amsterdam) ... (cks.) 40
Nutmegs (Penang) ... (cs.) 12	Tannic acid (Rotterdam) (cks.) 4
Olive oil (Seville) brls. 24, pns. 189, drms. 100, (Bordeaux) cs. 141, (Corfu) brls. 21, (Marseilles) brls. 938, cs. 30	Tartar (Alicante) 839, (Cette) 160
Opium (Constantinople) cs. 4, (Persian Gulf) cs. 118	Tartaric acid (Marseilles) cs. 25, cks. 71, brls. 20, (Havre) pkgs. 7
Oxalic acid (Fredrikstad) (cks.) 10	Toilet-powder (Philadelphia) ... (cs.) 70
Palm oil (W.C. Africa) (cks.) 72	Tragacanth (Persian Gulf) ... (pkgs.) 127
Pepper (Batavia) ... 674	Turpentine (Archangel) brls. 75, (Oporto) drms. 33
Peptone (New York) (cs.) 28	Vanilla (Havre) pkgs. 5, (Bordeaux) cs. 6
Perfumery (Marseilles) (pkgs.) 504	Vanillin (Rotterdam) (cs.) 13
Phosphorus (Montreal) cs. 159	Vaseline (New York) (pkgs.) 101
Poppy-seed (Beshire) ... 18	Verdigris (Bordeaux) (cks.) 10
Potash bromide (New York) brls. 3, cs. 120	Wax, bees' (Lisbon) 49, (St. Malo) 9, (Calcutta) 19, (New York) 11
Potash carbonate (Rotterdam) ... (cks.) 82	Wax, carnauba (Bahia) (bgs.) 150
Potash chlorate (Gothenburg) ... (cs.) 20	Wax, paraffin (U.S.A.) 1,488, (Holland) 800, (Java) 1,600
Potash perchlorate (Gothenburg) ... (cs.) 20	Wood oil (Marseilles) (cks.) 91
Potash permanganate (Gothenburg) ... (cks.) 20	Yellow berries (Egypt) (bgs.) 49
Potash prussiate (Marseilles) cks. 30, (Rouen) cks. 10	Zinc oxide (New York) brls. 2,634, (Holland) 230
Potash salts (Archangel) cks. 1,600, (Copenhagen) 20 cks. (Holland) bgs. 500, cks. 42, brls. 58, drms. 17	

Tahiti Vanilla.

In the course of a British Consular report on the trade of the Society Islands (French) during 1913 it is stated that the exports of vanilla were 194 tons (161,300/), as against 187 tons (135,070/), in 1912, an increase of 7 tons, or 26,230/.

	1912	1913
£	£	£
United States ...	117,573	133,593
Australasia ...	4,885	1,901
United Kingdom ...	1,158	3,929
France ...	6,115	20,593
Germany ...	3,232	1,285

The increase in quantity and value last year is said to be due to the improved quality owing to new regulations concerning the export. During the year two companies have been formed for growing vanilla, and large tracts of land, it is said, will be brought under cultivation when the labour question is solved.

CHINESE GALLS.—The exports from Ichang during 1913 amounted to 10,521 piculs, against 9,467 piculs in 1912 and 2,023 piculs in 1911.



Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

Dispensing for Dependents.

The Secretary of the Pharmaceutical Society desires to acknowledge, with many thanks, the receipt from the Proprietary Articles Trade Association of a donation of 100 guineas towards the Society's expenses in carrying out the scheme for providing free medical and pharmaceutical services for the dependants of soldiers and sailors. Mr. Woolcock would like to remind other well-wishers of the Society that the expenses incident to the detail administration of the scheme are likely to be heavy, and that financial co-operation from those who cannot be included on the lists of chemists giving free service would not be unwelcome.

17 Bloomsbury Square, London, W.C.

"Makers and Buyers."

SIR,—I much appreciate the leader in your issue of October 10, and particularly your epigrammatic summing-up of the case: "Our manufacturers are slow to capture business; it is the manufacturers who have to be captured," even when such conditions exist for the manufacture on the large scale with only a moderate capital requirement, as those in a case under my direct notice, which can only be described as remarkable. The chemical financier evinces much nervousness, although the opportunities at present are so great. Money is unfortunately scarce, and in the fine-chemical trade, in which German imports have been the principal factor, almost no one seems to have the courage to do more than to make some expensive drug on a very small scale. Some clients of the writer (who is a technical chemist and experienced manufacturer of an important product for which there is a heavy demand) about eighteen months before the war put down a plant to manufacture this article to the extent of about 40,000/ a year. Owing to a number of circumstances, into which it would be useless to enter here, these pioneers suffered the fate of many other pioneers, and after a successful preliminary run found that they could not obtain sufficient working capital to feed the plant with raw material. Of course, at that time the margin of profit, owing to German competition, was small, but to-day the margin of profit has increased to about 75 per cent. on the turnover, and, although this plant is easily obtainable at a ridiculously low price, and consequently the sum required to run the whole business would be only about 10,000/., as against 16,000/., if the works were to be bought at cost price, and the risk is very slight or negligible, as a large portion of the 10,000/ would be invested in liquid assets for raw material, etc., so few are the people in this country who are willing to be interested in fine chemicals as actual manufacturers that the opportunity to manufacture under these favourable conditions is being allowed to pass by. An ample supply of raw material for the manufacture of the product comes from neutral countries, and has fallen in price, while the finished product has so strongly advanced. One could understand nervousness on the part of prospective manufacturers if the pioneering were to be done, but in a case in which the foundations have been well laid, a proved, successful, and up-to-date plant installed, the difficulties of initiating a new industry overcome, and when, by a sudden blow, the principal competitor is silenced for, at any rate, a sufficiently long time to ensure success and very big profits, one would expect someone to be bold enough to develop a trade which has hitherto been under the control of Germany.

Ex UNGULA AQUILÆ GERMANICÆ. (123/53.)

Panel Chemists' Agreements for 1915.

SIR,—Reference to your correspondence columns and Association reports shows the widespread desire of numerous panel chemists not to sign Insurance dispensing contracts for next year unless certain concessions are made to them

before December 4. While numerous reasons are given for the dissatisfaction expressed, many of them being of local importance only, the unjust discounting clause is the one on which the chief cause of dissatisfaction hangs. Reports of meetings show that many resolutions on this clause have been passed, and what appears to be needed is organised national efforts to demand that upon the removal of this clause depends the pharmacists' continuance of the work. The report of a meeting of Birmingham panel chemists (this issue, p. 52) shows that, although somewhat late in the day, a determined protest against the clause is about to be made. We appeal to all pharmacists, firms, and bodies corporate in sympathy with our efforts to follow the lead given by fifty Birmingham panel chemists, and not to sign any contracts until the last moment. We also ask panel chemists who are willing to support us to call a meeting of their fellow panel chemists, and to pass a similar resolution for submission to the Commissioners. In Birmingham we have still 15 per cent. of last year's account owing to us, and this year we are faced with a probable deficiency of over 30 per cent. That it is foolish and unbusinesslike to do another year's work on these terms all will agree; still more so when an effort is made to keep the bill down by an issue, as in Birmingham, of a disgraceful Pharmacopœia, which is not only unfair to the insured, but will be equivalent to discounting the panel chemist before the bill is made out instead of after.

There is a tendency in some quarters to make the matter of N.H.F. work a matter of patriotism at the present moment. That none who are suffering from discounting will be misled by this bogey, we are sure. All other Government contractors receive 20s. in the pound for work done: why should not we, especially when the necessity for discounting is beyond our control? If the fault lie with the doctor, the Insurance Commissioners have their remedy in surcharging; if it does not, then the Government ought in common fairness to vote a grant to pay such deficiency in full, and not meet it by robbing those who in the past have been too badly organised to fight for their rights. This fault of organisation it is hoped to remove at an early date. In conclusion, we appeal—

(1) To chemists in discounted and other areas to meet together and pass resolutions against the discounting clause, and for the Chairman of such a meeting to send same to Insurance Commissioners, and to forward a copy of same, together with a list of panel chemists in the area concerned, to Mr. H. O. Lloyd as soon as possible.

(2) To obtain promises from all chemists, firms, and bodies corporate in these areas not to sign their contracts until a decision is reached in adjourned meetings, which should be called on December 2 or 3, by which date results of this organised effort will reach you. This work of organisation will entail some expenditure if it is to be done effectively, towards which small contributions will be gladly received and acknowledged, and a balance-sheet published later.

Fellow-panelists, let us be loyal and stand together for our common rights.

HERBERT E. GILL (97 Heneage Street, Birmingham).
H. O. LLOYD (323 Coventry Road, Small Heath).

Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "C. & D." readers.

Appreciation.

"I owe my present position, indirectly, to your journal. It is the second or third time your Coloured Supplement has come to my aid, and I still read it every week with enjoyment."—(23, 70.)

Inderjao.

Mr. A. W. Wood, writing from Florence on October 15, says: "With reference to 'Bucks' (115/62) inquiry re *inderjao* ordered in a prescription, I think I can give him a little help. I have worked for several years in India, and have dispensed several prescriptions of a similar character, and have no doubt that *pulv. indrajab* is what is called for. This is peculiar to India, and is used very largely for dysentery, both by itself and also mixed with other compounds, but generally in a prescription of a similar nature as described by him."

War-drugs Charges.

H. F. (129/66) writes: "Can a prescription dispensed according to the Durham Formulary, No. 9, be charged on Form Med. 39, as containing one of the war scheduled drugs—viz., liq. bis. et am. cit.?"

[No. 9 is mist. bismuth. co. c. pepsin. 3ij. and aquæ 3vj. The current wholesale-list price of the compound mixture is 3s. 8d. per lb., and of liq. bismuthi et ammon. cit. 1s. 4d. per lb. It is therefore not worth while claiming for the 2 oz. of the latter, which is the equivalent in the mixture, although the claim is permissible.—EDITOR C. & D.]

Legal Queries.

The majority of difficulties in regard to trade law are anticipated by the legal information printed in "The Chemist and Druggist Diary," 1914. See especially pp. 459-499.

M. N. (123/1).—ASSISTANT'S NOTICE.—Refer to the *C. & D. Diary*, p. 430.

Subscriber (133/56).—Veronal is a Part 2 poison. You will find all information of this nature in the *C. & D. Diary*, thus saving you time and money.

W. S. C. (129/40).—Depreciation of fixtures, fittings, and utensils in business premises is not allowed in one sum by income-tax assessors. You may claim for expenditure in repairing fixtures and fittings to keep them in good condition, also for wear and tear of plant. These should be set forth in your return for assessment. Such claims as 15 per cent. off the cost are not allowed, unless the claimant can prove the items of expenditure by voucher.

Treb (9/3).—A private limited company was formed by the members of a family to carry on a pharmacy owned by one of them. The pharmacy has not been assigned to the company. Is it possible for the owner of the pharmacy to sell it and for the company to be dissolved by mutual consent? [The pharmacy may be sold by the member of the family who owns it, and the company may be wound-up voluntarily, either before or after the sale, in accordance with the Companies Act. It should be noted that at present the pharmacy is probably being carried on illegally.]

Yeres (123/44).—You state that your present premises are rated at £6l. gross poor-rate and 51l. net. This does not fix the basis for licence-duty. The licence-duty payable by you depends upon what the inhabited-house duty assessment was for your premises on September 30 last. You do not say what this was. If the inhabited-house duty assessment on that date was 40l., then the "off" wine-retailer's licence-duty payable by you would be 3l. 10s.; but if, as appears to be the case, your assessment stood at an amount of 50l. or upwards, but not exceeding 75l., then 4l. would be the correct rate of licence-duty. The rent you pay is not conclusive. The rule is that the licence-duty is charged on the basis of the inhabited-house duty assessment which was in force on the date when the licence year began—that is, October 1 last. Should you succeed in getting the assessment reduced to 30l., this would not enable you to get your licence-duty reduced to the corresponding amount payable—that is, 3l.—unless the reduction is made retrospective to take effect on or before September 30. In the circumstances, we would advise you to remit the sum demanded to the Collector of Customs and Excise, with a note that you are appealing against the house-duty assessment, and a request that he will retain the money on deposit until the amount of the assessment is finally determined on appeal.

Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles, and when samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, as it occupies space which can be more profitably utilised for other information. In such cases the numbers are mentioned, and if querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

W. A. P. (111/54).—The weakness in the hindquarters of your puppy may be due to teething, worms, indigestion, accident, disease of the spine or its coverings or of the sciatic nerve, sequelæ to distemper, etc. Docking has nothing to do with it. Give a purge according to age, size, and weight. Rub the loins and over the sciatic nerve with equal parts of aconite, belladonna, and capsicum liniments. Rub twice daily for a number of days, then give internally:

Extract. ergot. liq.	...	...	...	℥v.-x.
Potass. iodidi	...	...	...	gr. v.-x.
Morphin. hydrochlor.	...	...	...	gr. ss.-j.

Give twice daily, and in the interval 5 grains of acetylsalicylic acid can be given. It may be necessary to blister the parts ordered to be rubbed, which can be done with a liquid blister. If the derangement is the sequel of distemper, the chance of recovery is slight, and in this case it would be advisable to destroy the animal.

Mahos (115/30).—MILLING-PRODUCT.—The substance you send, obtained as a by-product in the earliest stages of milling, is known as "crease-dirt." It is used, we believe, when mixed with other substances, as a food-product for animals, and would form a good diluent for cattle-spice.

L. H. G. (123/46).—TINCTURE OF IODINE.—The following particulars will enable you to compare the various tinctures of iodine:

B.P. 1898.—*Tinctura Iodi*: 2½ per cent. w/v of iodine in alcohol (90-per-cent.), plus 2½ per cent. of water.

Liquor Iodi Fortis: 10 per cent. w/v of iodine in alcohol (90-per-cent.), plus 10 per cent. of water.

B.P. 1914.—*Tinctura Iodi Fortis*: Approximately the same composition as liq. iodi fortis, B.P. 1898. *Tinctura Iodi Mitis* corresponds to tinct. iodi, B.P. 1898.

Austrian (1906), Danish (1907), Dutch (1905), French (1908), Spanish (1905), and Swiss (1907) Pharmacopœias are 10-per-cent. solutions by weight in alcohol (95-per-cent.), and correspond to the *tinctura iodi* of the International Agreement.

U.S. Pharmacopœia (1905) is a 7-per-cent. w/v solution in alcohol (95-per-cent.).

Japanese Pharmacopœia (1907) is a 7.6-per-cent. solution by weight in alcohol (90-per-cent.).

Note.—The B.P. and U.S.P. order potassium iodide as a solvent and preservative of the iodine.

S. P. J. (124/20).—TINCTURA IODI, French Codex.—See reply to "L. H. G.," and note that the French tincture is made by weight and that alcohol (95-per-cent.) is used. This tincture is being ordered by medical men in preference to the preparations of the B.P., under the impression that the iodine is more active when dissolved without the aid of an iodide. In regard to the dose of iodine, the maximum is stated in Merck's "Index" to be for a single dose 1 grain, or per day 3 grains. It is likely that the iodine is modified when taken in milk, and that a larger dose could be taken in that medium, especially if the dose is gradually increased. We should, however, place the responsibility upon the medical man of ordering "100 minims daily." Murrell records a death from half an ounce of tincture (presumably tinct. iodi, B.P., 2.5 per cent.), and also recovery after taking an ounce.

X. Y. Z. (20/10).—ARMY MEDICINES.—The formulæ for the pills or tablets used in the Army are given in the "Regulations for the Army Medical Service" (Wyman, 6d.), and as we have received inquiries for these from different parts of the country, we reproduce the recipes:

No. 1 (tablets).
Apomorph. hydrochlor.
½ gr. in each.

No. 2 (tablets).
Hydrarg. subchlor. gr. ij.
Antim. oxid. ... gr. j.
Pulv. ipecac. ... gr. j.
Pulv. opii ... gr. j.
Ft. tab. j.

No. 3 (tablets).
Pulv. ipecac. sine cmetinâ
gr. x. in each.

No. 4 (tablets).
Pulv. cretæ arom.
sine sacchar. ... gr. viij.
Pulv. acaciæ ... gr. iss.
Pulv. opii ... gr. ½
Ft. tab. j.

No. 5 (tablets).
Antipyrin gr. v. in each.

No. 6 (tablets).
Ferri hypophosph. gr. ij.
Ac. arseniosi ... gr. ⁵⁄₅₇
Quin. sulph. acid. gr. j.
Strychn. sulph. ... gr. ⁵⁄₅₇
Saccharin. ... gr. 10⁄₁₀₀
Ft. tab. j.

No. 7 (tablets).
Hydrarg. subchlor. gr. j. in each.

J. N. K. (Cairo) (121/69).—The preparation about which you inquire is a proprietary article. Refer to the Buyers' Guide in *The Chemist and Druggist Diary*.

No. 8 (pills).
Plumbi acet. ... gr. iij.
Pulv. opii ... gr. j.
Ft. pil. j.

No. 9 (pills).
Hydrarg. subchlor. gr. ij.
Pil. rhei co. ... gr. ij.
Pil. coloc. co. ... gr. ij.
Ft. pil. j.

No. 10 (tablets).
Quin. sulph. acid. gr. ij. in each.

No. 11 (pills).
Camphor ... gr. iij.
Pulv. opii ... gr. ij.
Pulv. capsici ... gr. ss.
Ft. pil. j.

No. 12 (pills).
Pulv. opii gr. j. in each.

No. 13 (tablets).
Podoph. resin. ... gr. ¼
Ext. hyoscyami ... gr. ¼
Ext. taraxaci ... gr. ¼
Ext. coloc. co. ... gr. j.
Ext. jalap. ... gr. ½
Leptandrin. resin. ... gr. ½
Ol. menth. pip. ... q.s.
Ft. pil. j.

No. 14 (tablets).
Potass. permang. gr. ij. in each.

No. 15 (tablets).
Quin. sulph. acid. gr. v. in each.

W. S. J. (131/23).—Many thanks. We presume you did not oblige the pill-maker who practically invites you to pay for advertising his goods.

D. H. (106/52) makes SCOUR-MIXTURE from the following formula, and finds that a solid deposit forms:

Pulv. rhei	...	...	2 oz.
Creta præp.	...	...	16 oz.
Pulv. catechu	...	...	4 oz.
Pulv. gentian.	...	...	4 oz.
Sodii bicarb.	...	...	4 oz.
Pulv. anisi	...	...	4 oz.
Pulv. capsici	...	...	½ oz.
Pulv. zingib.	...	...	4 oz.
Mag. carb. levis	...	...	2 oz.
Ol. menth. pip.	...	...	5j.

Mix and add 6 oz. of powder to 25 oz. of water and 1 oz. of veterinary chlorodyne to each bottle.

[The cause of the tough sediment is principally the catechu and light magnesium carbonate. The chalk does not appear to be excessive in quantity. A suspending-agent should be used to inhibit chemical action as well as to keep the powders in suspension. So far as our experiments go, we suggest the addition of half an ounce of compound tragacanth powder to the quantity of powder used to 25-oz. bottle. The dosage is a matter for adjustment according to results obtained in practice. However, for young calves 2 oz. of the mixture repeated at intervals of four hours or so; and from 5 oz. to 10 oz. for a cow, repeated at similar intervals. The magnesia does not seem to us a suitable ingredient in such a mixture.]

L. D. J. (124/26).—BLEACHING HAIR.—The black human hair can be changed to brown by a bleaching-agent such as hydrogen peroxide, a brown colour being one of the stages in the bleaching. The hair is placed in a warm alkaline solution of hydrogen peroxide, and when the required colour is obtained the hair is taken out, washed with water, and dried.

Bodilan (114/31).—MANUFACTURE OF PYROGALLIC ACID.—See *C. & D.*, September 19, p. 37.

A. E. S. (124/37).—NESTLÉ'S FOOD is of the same type as Mellin's and Horlick's foods. The general process consists in making ground malt, wheat, and oats into a soft mash with milk, heating this to 150° F. in steam-pans for an hour, with constant stirring, to convert the starch into dextrin and grape-sugar. Next the temperature is raised to 170° F. for fifteen minutes, and mass pressed. The fluid that is obtained is evaporated to dryness and powdered.

S. E. (121/5).—We do not know the composition of the asthma-cure to which you refer. It has been stated to contain 2 per cent. of potassium iodide, but we do not think that the vegetable constituents have been determined. See *C. & D.*, September 22, 1906, p. 462.

T. D. T. (129/59).—The reference number you give refers to a formula for pills, not a liniment.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," October 15, 1864.

The Use of Methylated Spirit.

The following extract from the Report of the Principal of the Laboratory of the Commissioners of Inland Revenue cannot fail to interest our readers:

From the character of the samples which have been forwarded to my department within the past year under the supposition that they were illegal, it would appear that the attempts to apply methylated spirit to purposes not contemplated by the Legislature are directed more to the use of the spirit in medicinal preparations than to its introduction as a beverage. The samples referred to comprised five of hyponitrous ether, one of laudanum, one of tincture of rhubarb, one of wood spirit, three of methylated spirit which had been attempted to be purified, two samples termed "Indian brandee," one termed "Indian whiskey," and one "Hollands whiskey." The four last-named samples might, from the names given to them, be supposed to be imitations of brandy and whisky, which, however, they did not in the least resemble, as they were simply very impure hyponitrous ether, highly sweetened, and made from methylated spirit, the "brandee" being coloured. They were very nauseous, and would never be drunk as a beverage, except by persons having a most vitiated taste; and the price at which I am informed they are sold—namely, from 2d. to 3d. per ounce, or at the rate of from 26s. 8d. to 40s. per gallon—appears to confirm the statements made by those who prepare and vend the articles, that they are purchased by the poor classes, not as substitutes for potable liquors, but as specifics for many complaints which they are advertised to cure. I may add that the sale of these compounds appears to be confined to certain localities in Lancashire and Cumberland.



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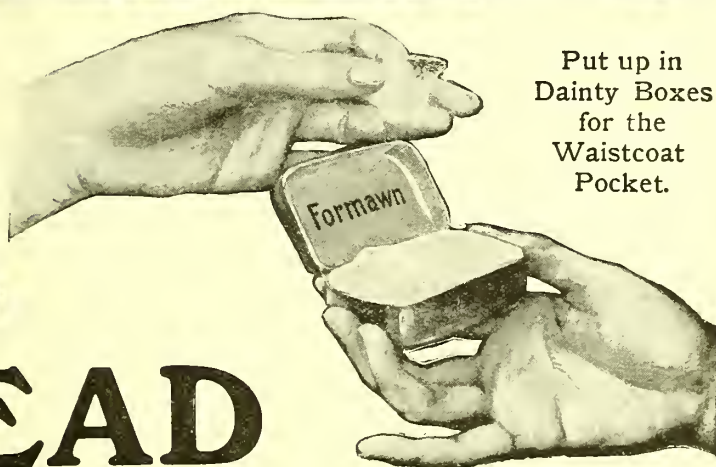
—that which is derived from it direct, and that which arises from the sales of other articles to the customers it brings.

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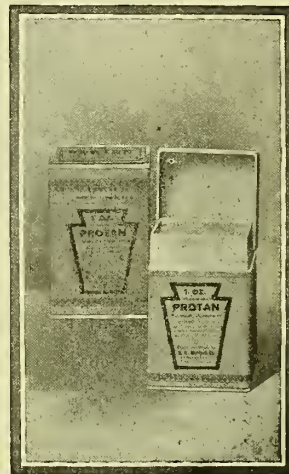
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Protan (Tannin Nucleo-Proteid Mulford).—An intestinal astringent (insoluble in the stomach, soluble in the intestines, the local action of the tannin continuing throughout the intestinal tract) for the treatment of serous diarrhœa, chronic enteritis and in the diarrhœas of infants and children where an astringent is indicated.

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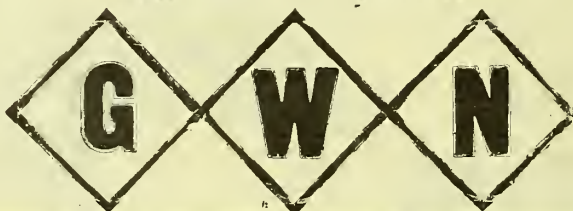
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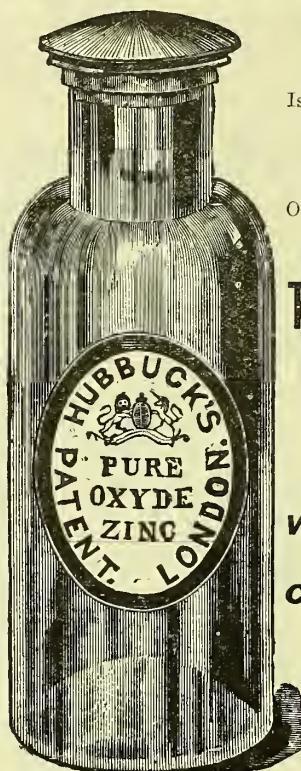
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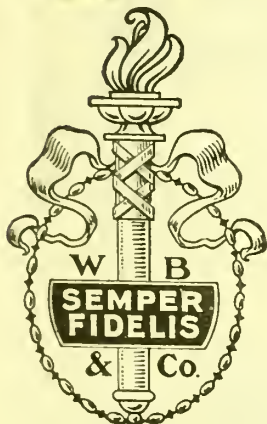
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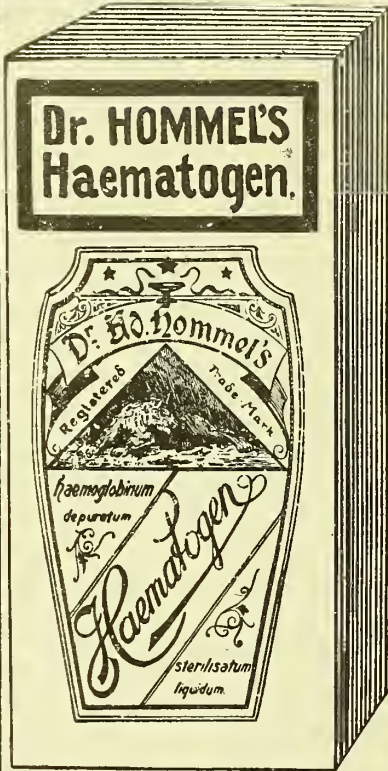
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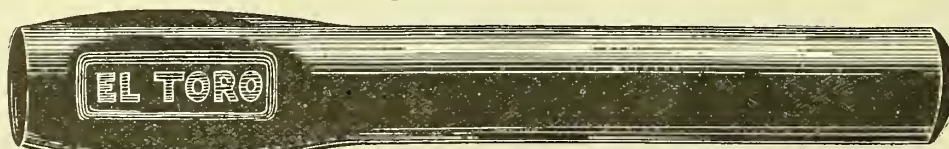
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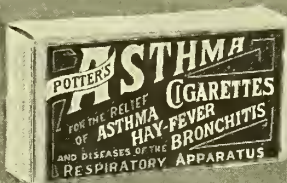
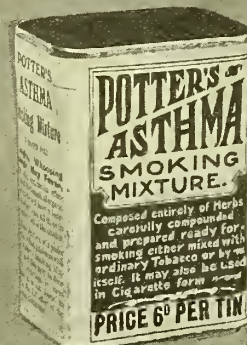
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Formaldehyde, 40%, 4 cwt. barrels @ 69/- cwt.; 132 lb. carboys @ 74/-; 7 lbs. @ 11d. lb.
Fuller's Earth, fine powder or lump, 5 cwt. @ 5/- cwt.; 1 cwt. @ 6/- cwt.

Gallæ Cærul. Pulv., 7 lbs. @ 1/- lb.
Gamboge, English Ground, 7 lbs. @ 3/6 lb.; 1 lb. @ 3/10 lb.
Ginger, English Ground, 1 cwt. @ 46/- cwt.; 7 lbs. @ 7d. lb.
Gingerine, Extra, 5 lbs. @ 11/- lb.; 1 lb. @ 11/6.
Glycerin. Opt. D.D., 1,260 P.B., 1 cwt. @ 105/- cwt.; 56 lbs. @ 106/- cwt.; 12 lbs. @ 1/2 lb.
*Glycerin. Acid. Boric, P.B., 6 lbs. @ 1/6 lb.
" " Acid. Carbolic, P.B., 6 lbs. @ 1/6 lb.
" " Acid. Tannic, P.B., 6 lbs. @ 1/6 lb.
" " Belladonna. B.P.C., 6 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.
*Glycerin. Boracic, P.B., 6 lbs. @ 1/3 lb.
" " Pepsin. Acid, P.B., 1 lb. @ 3/4 lb.
" " Plumbi Subacet. P.B., 6 lbs. @ 1/7 lb.
Gran. Parad., 1 cwt. @ 70/- cwt.; 7 lbs. @ 9d. lb.; Powder, 7 lbs. @ 1/- lb.
Guaiacol Carb., 7 lbs. @ 12/6 lb.; 1 lb. @ 13/- lb.
Guaiacol, pure, 1 lb. @ 9/6 lb.
Gum Acacia, sorts, 3 cwt. @ 63/6 cwt.; 1 cwt. @ 67/6 cwt.; 7 lbs. @ 8½d. lb.; English Ground Powder, No. 1, 1 cwt. @ 1/1 lb.; 7 lbs. @ 1/3 lb.; No. 2, 1 cwt. @ 11½d. lb.; 7 lbs. @ 1/1 lb.
Gum Benzoin, Sumatra, 84 lbs. @ 1/5 lb.; 7 lbs. @ 1/8 lb.
Gum Catechu Nig., English Ground, 1 cwt. @ 75/- cwt.; 14 lbs. @ 8½d. lb.
Gum Guaiaci, 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/5 lb.
Gum Juniper, 14 lbs. @ 1/- lb.
Gum Tbus Elect., 2½ cwt. @ 34/- cwt.; 28 lbs. @ 42/3 cwt.
Gum Tragac. Elect., English Ground, 7 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.

***H**eadings (Frothing Ess.), 5 lbs. @ 1/1 lb.
Heliotropine, 1 lb. @ 7/6 lb.
Hellebore, White, Powder (Foreign Ground), 1 cwt. @ 32/6 cwt.
Hexamethylenetetramine, 7 lbs. @ 5/3 lb.; 1 lb. @ 5/9 lb.
Money, Pale Set, Jamaica, 3½ cwt. @ 37/- cwt.; 28 lbs. @ 50/- cwt.; Californian, ½ cwt. @ 52/6 cwt.; 7 lbs. @ 7½d. lb.
Hydragrym, P.B., 10 lbs. @ 3/3 lb.; 1 lb. @ 3/6 lb.; Ammon., 28 lbs. @ 4/- lb.; c. Creta, 28 lbs. @ 1/6 lb.; Iodid. Rub. 28 lbs. @ 12/- lb.; Oxid. Rub., 28 lbs. @ 4/- lb.; Perchlor., Lump, 28 lbs. @ 3½ lb.; Subchlor., 28 lbs. @ 3/10 lb.; Sulph. c. Sulph., 28 lbs. @ 3/5 lb.; 7-lb. quantities 1d. lb. extra, 3-lb. quantities, 2d. lb. extra, 1-lb. quantities 3d. lb. extra.
Hydrokinone, 1 lb. @ 21/- lb.

Ichthyl Ammon. chemical equivalent : Ammon. Ichthosulphonas, B.P. Codex, 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.
*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
" Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
" Buchu Conc., 1 to 7, 6 lbs. @ 2/2 lb.
" Calumbæ Conc., 1 to 7, 6 lbs. @ 11d. lb.
" Caryoph. Conc., 1 to 7, 6 lbs. @ 1/- lb.
" Cascarilla Conc., 1 to 7, 6 lbs. @ 1/4 lb.
" Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/7 lb.
" Gentianæ Co., 1 to 7, 6 lbs. @ 1/1 lb.
" Quassia Conc., 1 to 7, 6 lbs. @ 9d. lb.
" Rhei Conc., 1 to 7, 6 lbs. @ 1/6 lb.
" Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 1/8 lb.
" Senegæ Conc., 1 to 7, 6 lbs. @ 2/1 lb.
" Valerian Conc., 1 to 7, 6 lbs. @ 1/3 lb.

Insect Powder, Opt., English Grd., closed flowers, 28 lbs. @ 1/10 lb.; 7 lbs. @ 1/11 lb.; English Ground, ½ closed flowers, 4d. lb. less; Foreign Ground, 1 cwt. @ 80/- cwt.; 28 lbs. @ 9d. lb.
Iodoform Pulv. B.P., 7 lbs. @ 18/6 lb.; 3 lbs. @ 18/8 lb.; 1 lb. @ 18/10 lb.
Iodum resub. B.P., 7 lbs. @ 16/3 lb.; 1 lb. @ 16/6 lb.
Isinglass, Brazil, fine cut, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.; Russian finest, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.; Ribbon or Sheet, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.

Kamala, 7 lbs. @ 1/6 lb.; sifted, 3d. per lb. extra.

Lapis Pumicis, fine powder, 2 cwt. @ 8/- cwt.; 7 lbs. @ 1½d. lb.; lump, 2 cwt. @ 12/- cwt.; 7 lbs. @ 3d. lb.
Licorice Juice, 4 and 2-oz. Sticks, 5 cwt. @ 65/- cwt.; 1 cwt. @ 66/- cwt.; 28 lbs. @ 7½d. lb.; 7 lbs. @ 8d. lb.
*Lin. Aconiti Meth., 5 lbs. @ 1/2 lb.; 1 lb. @ 1/5 lb.
" " Bellad. Meth., 5 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.; 1/2 lb. @ 1/2 lb.
" " Camph. P.B., 40 lbs. @ 1/1 lb.; 9 lbs. @ Sapo Meth., 9 lbs. @ 7d. lb.
" " Tereb. Acet., B.P., 5 lbs. @ 1/- lb.
Linseed c. Oil, Crushed, 3 cwt. @ 19/- cwt.; 1 cwt. @ 20/- cwt.
*Liq. Ammonii Acetatis Conc. 1-7, 6 lbs. @ 8d. lb.; 1 lb. @ 1/- lb.
" " Ammon. Aromat., 6 lbs. @ 9d. lb.
" " Antim. Chlor. Pure, 8 lbs. @ 6½d. lb.
" " Arsenicalis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
" " Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
" " Bismuth. P.B., 6 lbs. @ 1/4½ lb.
" " Copaiba Buchu et Cubeb, 5 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.
" " Easton, p.s. 1-3, B.P., 1 lb. @ 3/- lb.
" " Ferri Dialysatus, 6 lbs. @ 7d. lb.
" " Ferri Iod. p.s., 1-7, 1 lb. @ 8/- lb.
" " Ferri Perchlor. Fort., P.B., 7 lbs. @ 4d. lb.
" " Ferri Phosph. Co. p.s., 1-7, 7 lbs. @ 1/6 lb.
" " Hamamelidis, B.P., 6 lbs. @ 1/1 lb.
" " Hypophosph. Co., p.s., B.P.C., 1 lb. @ 3/8 lb.
" " Iodi Fort., B.P., 5 lbs. @ 5/8 lb.
" " Morphine Acet. or Hydrochlor. P.B., 6 lbs. @ 2/9 lb.
" " Opil Sed., 5 lbs. @ 4/6 lb.
" " Plumbi Subacet., P.B., 7 lbs. @ 3½d. lb.
" " Pruni Virg. p.s. 1-7, 5 lbs. @ 2/2 lb.
" " Rhæados pro Syr., 1 to 7, 5 lbs. @ 1/11 lb.
" " Rhei, p.s., 1-7, 6 lbs. @ 2/2 lb.
" " Santali Co., 1 lb. @ 4/- lb.
" " Sennæ Dulc. 6 lbs. @ 1/4 lb.
" " Sennæ pro Syr. 1-7, 6 lbs. @ 2/- lb.
" " Strychnina Hyd. P.B., 6 lbs. @ 1/6 lb.
" " Tolut. pro Syr. 1-7, 6 lbs. @ 1/8 lb.
" " Trinitrini, B.P., 1 lb. @ 6/1 lb.
Lithia Carb. P.B., 28 lbs. @ 5/1 lb.; 7 lbs. @ 5/3 lb.; 1 lb. @ 5/6 lb.
" Citras, B.P., 28 lbs. @ 5/1 lb.; 7 lbs. @ 5/3 lb.; pulv., 3d. lb. extra.
Lycopodium, 7 lbs. @ 5/4 lb.

Mag. Calc. Levis, 56 lbs. @ 8d. lb.; 5 lbs. @ 10d. lb.; 1 lb. @ 1/- lb.
Mag. Calc. Pond., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.
Mag. Carb. Pond., 56 lbs. @ 6½d. lb.; 7 lbs. @ 7½d. lb.
Mag. Carb. Levis., 1 cwt. @ 33/6; 7 lbs. @ 5d. lb.
Mag. Cit. Gran., 28 lbs. @ 11d. lb.; 6 lbs. @ 1/0½ lb.
Mag. Sulph., fine druggists', B.P., 1 cwt. @ 9/- cwt.
Manna, Good Flake, 14 lbs. @ 5/3 lb.; 7 lbs. @ 5/6 lb.; 1 lb. @ 5/9 lb.
Menthol, dry white cryst., 60 lbs. @ 10/6 lb.; 5 lbs. @ 11/- lb.

*Mist. Sennæ Comp. B.P., 20 lbs. @ 6½d. lb. 6 lbs. @ 7½d. lb.
Morphinæ Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 11/1 oz.; 16 oz. @ 11/3 oz.; 8 oz. @ 11/5 oz.; 1 oz. @ 12/- oz.; Pur. Præcip. Bimeconate or Tart. 1 oz. @ 14/8 oz.
Morphinæ Diacetyl., 4 oz. @ 15/6 oz.; 1 oz. @ 15/9 oz.; Hydrochlor., 6d. per oz. less.
Myrrh, Gum, English Ground, 28 lbs. @ 11d. lb.; 7 lbs. @ 1/1 lb.

Naphthalene Candles or Balls, 1 cwt. @ 14/6 cwt.; 56 lbs. @ 17/- cwt.; 28 lbs. @ 19/- cwt.
Nux Areca, 1 cwt. @ 35/- cwt.; 7 lbs. @ 5d. lb.; powder, English ground, @ 59/- cwt.; 7 lbs. @ 7½d. lb.

Ol. Amygdal. Ang., B.P., 9 lbs. @ 2/11½ lb.
Ol. Anethi Ang. B.P., 1 lb. @ 14/6 lb.
Ol. Anisi, E.I., 66 lbs. @ 6/- lb.; 16½ lbs. @ 6/5 lb.; 4½ lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.
Ol. Aurant., 12 lbs. @ 10/- lb.; 1 lb. @ 10/6 lb.; Aurant. guaranteed absolutely pure.
Oil of Bays, genuine W.I., 9 lbs. @ 13/6 lb.
Ol. Cajuput., B.P., 21½ oz. bts. @ 3/6 lb.
Ol. Camphor. Essent., White, 80 lbs. @ 70/- cwt.; 40 lbs. @ 75/- cwt.; Brown, 40 lbs. @ 110/- cwt.
Ol. Caryoph. Ang., B.P., 9 lbs. @ 4/11 lb.; 4½ lbs. @ 5/1 lb.
Ol. Cassia, 16 lbs. @ 3/6 lb.; 6 lbs. @ 3/11 lb.
Ol. Cinnamon, B.P., 1 lb. @ 28/- lb.; 1 oz. @ 2/2 oz.
Ol. Citronella, 9 lbs. @ 2/3 lb.
Ol. Coco. Nucis, finest White, 80 lbs. @ 55/- cwt.; 40 lbs. @ 57/6 cwt.
Ol. Eucalypt., B.P., 1 cwt. @ 1/4½ lb.; 28 lbs. @ 1/5½ lb.; 9 lbs. @ 1/7 lb.
Ol. Geranii Gall. Opt., 1 lb. @ 28/- lb.; 81-oz. bts. @ 2/3 oz.; 1 oz. @ 2/6 oz.; Turc., 1 lb. @ 12/6 lb.; 4 ozs. @ 15/- lb.
Ol. Gynocardia, 5 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.
Ol. Juniperi Bacc., B.P., 4½ lbs. @ 5/6 lb.; 1 lb. @ 5/10 lb.; Ligne Exot., 1 cwt. @ 1/5 lb.; 28 lbs. @ 1/7 lb.; 9 lbs. @ 1/8 lb.
Ol. Lavand. ab Flor., 5 lbs. @ 15/- lb.; 1 lb. @ 15/6 lb.
Ol. Menth. Pip. English, 5 lbs. @ 34/6 lb.; 1 lb. @ 36/- lb.; Hotchkiss original bts., 21 oz. each @ 16/- lb.; 6 bts. @ 15/6 lb.; 18 bts. @ 15/- lb.; American, 20 lbs. @ 9/6 lb.; 4½ lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.; Japanese, 60 lbs. @ 3/11 lb.; 5 lbs. @ 4/6 lb.
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Ol. Myrrane, 9 lbs. @ 7½d. lb.
Ol. Myristica, 7 lbs. @ 2/10 lb.; 1 lb. @ 3/2 lb.
Ol. Nucis Pallid., 45 galls. @ 3/9 gall.; 2 gall. tins @ 9/6 each.
Ol. Olivæ, P.B., good yellow, guaranteed pure, 45 gall. barrels @ 5/4 gall.; 2 gall. tins @ 6/4 gall.
Ol. Origanii Rub., Coml., 28 lbs. @ 1/10 lb.; 9 lbs. @ 2/- lb.
Ol. Peach Kernel (so-called), 1 cwt. @ 1/1 lb.; 56 lbs. @ 1/2 lb.; 9 lbs. @ 1/3 lb.
Ol. Pulegi, B.P., 5 lbs. @ 5/3 lb.; 1 lb. @ 5/9 lb.
Ol. Ricini Alb. Opt. Medicinal, 176 lbs. @ 47/6 cwt.; 88 lbs. @ 48/6 cwt.; 44 lbs. @ 50/- cwt.; 9 lbs. @ 7d. lb.; for export, 1 cwt. drums recommended, 9/6 each extra.
Ol. Rosmarini, Coml., 28 lbs. @ 1/6 lb.; 9 lbs. @ 1/7 lb.; B.P., 9 lbs. @ 2/5 lb.; 1 lb. @ 2/9 lb.
Ol. Santal. Flav. Ang. B.P., 5 lbs. @ 22/6 lb.; 1 lb. @ 23/- lb.
Ol. Sassafras, genuine, 28 lbs. @ 3/3 lb.; 1 lb. @ 3/8 lb.
Ol. Theobromæ, B.P., 8-oz. tabs., 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/9 lb.
Ol. Wintergreen, Artificial, 5 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.
Opium Turc. B.P., 14 lbs. @ 22/10 lb.; 3 lbs. @ 22/6 lb.; 1 lb. @ 23/- lb.; powder, 6d. lb. extra.

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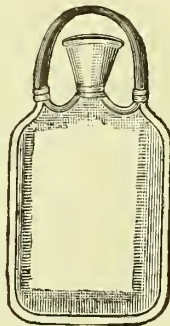
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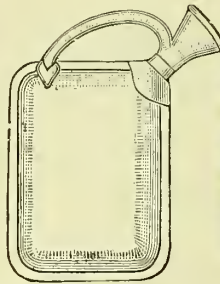
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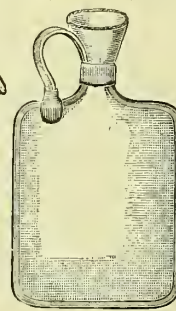
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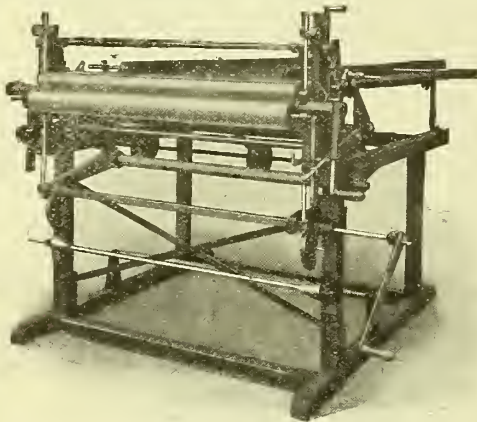
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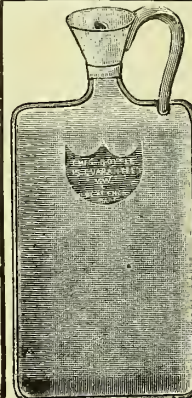
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8.—LEICESTERSHIRE (Market Town).—General Retail together with N.H.I. Dispensing; good position; returns £1,100; vendor, having purchased a Dental Practice which requires his personal attention, is willing to accept any reasonable offer, in fact give it away.

9.—DEVON (Good-class Watering-place).—Retail and Dispensing Business; returns between £750 and £800 at good prices; large residence; held on lease; price £500.

10.—HOME COUNTY.—Unopposed Business; established many years; returns between £750 and £800; net profit £310 (proof given); large residence, with good garden; rent £60, sublet £30; price £400, about the value of stock and fixtures.

11.—SUFFOLK (Death Vacancy).—Mixed Business; established 60 years; returns between £800 and £900 per annum; rent £35, or freehold may be purchased; good opening for extension; terms, valuation of stock and fixtures; part payment entertained.

12.—BRISTOL CHANNEL (Seaport).—Thoroughly sound Retail and Dispensing Business in busy main thoroughfare; returning £1,500 yearly; capital premises; to effect a speedy sale, vendor will accept valuation of stock and fixtures.

13.—HOME COUNTY (few miles out).—Well-established Business, Retail and Dispensing; excellent position; attractive shop, double front; roomy house; returns (present rate) £1,200; net profit 25 per cent.; price about £600; the business is capable of development.

14.—KENT COAST.—Special opportunity; for immediate Disposal, very old-established Business; situate in good position; sea view; returns average £791 at fair prices; intending investors with £250 at command will find this a good investment.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account; by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester."

Telephone 1934.

F. J. BRETT, M.P.S.,

**GIVES PERSONAL ATTENTION TO ALL VALUATIONS.
NO CHARGE TO BUYERS.**

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£1,000 (nearly) returns.—**LANCASHIRE.**—Good sound General Retail, with plenty of scope to add Optical and Photo; nearest opposition nearly a mile away; rent £30; at valuation of stock and fixtures, about £425.

£500 (over).—**LINCOLNSHIRE.**—Branch Retail in small country town; could do very much more under personal attention; valuation about £200.

£1,000 returns.—**YORK.**—Good middle-class Retail, showing over £260 net profit; fine opening for N.H.I.; price £325.

£600 returns.—**SURREY.**—Good-class Light Retail and Dispensing; fine opening for Optics; valuation about £400.

£1,300 returns.—**YORKS.**—High-class Retail and Dispensing; good shop and house; net profit £300; at valuation of stock and fixtures, about £900.

£500 returns.—**YORKS.**—Middle working-class Retail; can be greatly increased; valuation of stock and fixtures, about £175.

£1,400 returns.—**LANC.**—Exceptionally fine position in desirable seaside resort; net profit £300; unlimited scope for Optical; price £900.

£800 returns.—**SOUTH COAST.**—Good-class Retail and Dispensing; net profit £250; death vacancy; valuation about £350.

Valuations conducted upon the shortest notice at moderate fees.

PARSON C. BAKER

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, N.

Tel. No. Finchley 812.

Recommended by—**BRITISH DRUG HOUSES, LTD.
MEGGESON & CO., LTD.
BARCLAY & SON, LTD.**

All correspondence should be addressed as above:

And at 174 VICTORIA STREET, S.W. Tel. No. Victoria 27.

A Register of Businesses for Sale of every class and size in town and country at reasonable prices. Inquiries invited from Purchasers, notifying the kind of business desired, the locality preferred, and amount of capital it is desired to invest.

Buyers' Register. Vendors invited to apply for form to fill in with particulars of Business they desire to sell, which is treated with strict confidence.

No liability incurred unless a sale is made from my introduction.

The examination of Businesses for Sale or Purchase is made on specially low terms. Parson C. Baker has made a speciality of this, and his long experience in every class of business enables him to give valuable advice and assistance in negotiations.

Valuations are made on moderate terms for Sale, Probate, or Account purposes in any part of the United Kingdom.

Prompt personal attention is given in every case.

THOS. TOMLINSON & SON

**CHEMISTS' VALUERS, TRANSFER AGENTS,
AND EXPERT STOCKTAKERS,**

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

MESSRS. BERDOE & FISH

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

Have the following businesses for Disposal. (No charge to Purchasers.)

1.—**HOME COUNTY** (25 miles out).—Good-class Light Country Retail, in best position of pleasant market town; returns £1,200, increasing; net profit £350; large house and garden; stock and fixtures worth fully £650; price £800, or near offer; will stand fullest investigation.

2.—**LEICESTERSHIRE.**—Good-class General, Retail, Dispensing, and Prescribing Business in very best position in busy industrial town; returns £1,100; net profit £325; books properly kept; and every investigation courted; good house; low rent; on lease; sole cause of sale, owner leaving the trade; price £600, or bare valuation, if preferred.

3.—**HAMPSTEAD** (near).—Good-class Retail and Dispensing Business for immediate Disposal, owing to serious illness of owner. Present returns under manager £10 to £12 a week; can easily do £20 in smart hands; splendid main road position; handsome pharmacy, well stocked; price £250 cash; exceptional offer; only requires seeing.

4.—**CHESHIRE.**—Good-class Dispensing and Light Retail; over 5,500 private scripts yearly; returns £1,000; net profit £300; Assistant kept; good residential locality; nice house, etc.; price £750.

5.—**BIRMINGHAM.**—Light Family Retail, Prescribing and Dispensing Business; returns over £1,500; clear net profit £400; low rent; lock-up shop, well fitted and heavily stocked; price £650, under valuation.

6.—**LINCOLNSHIRE.**—Good-class Retail, Dispensing, and Prescribing, with N.H.I.; returns £1,600; net profit about £600; low rent; busy market town; price £900.

7.—**SURREY** (Favourite Locality).—High-class Business, in excellent position; formerly doing £1,400, now under manager; handsome shop, fully stocked; large house; low rental; price £750, or £100 and valuation.

8.—**SUSSEX** (near Coast).—Unopposed Light Country Retail in charming locality; easily worked; returns £500; net profit £152; nice house and garden; owner retiring; price £300, or offer.

9.—**NORFOLK.**—Old-established Retail and Agricultural Business, in good market town; same hands many years; neglected; returns over £800; net profit about £250; can easily do £1,200; price simply valuation, all over £400 can remain.

10.—**DEVON COAST.**—Good-class Retail and Dispensing Business, increasing; returns nearly £800; good profits; large shop, modern fittings and good stock; price £500, little more than valuation.

11.—**LONDON, N.W.**—Sound middle-class Cash Retail Business; in good position; returns over £1,500; net profit nearly £500; books open to fullest investigation; own property; low rent; price £800.

12.—**NORTH LONDON.**—Very profitable Light Suburban Retail Business, in unique position; returns £800; net profit £500; books well kept; price £425, or offer; £200 can remain; strongly recommended.

CHEMISTS v. INCOME TAX.

Owing to the War, the Income Tax for some years to come will be much higher and a good many incomes are likely to be lower; but you will not be able to prove this to the satisfaction of the assessors unless you take stock. Now, more than at any time in the past, chemists should have their stocks taken. Please apply for our pamphlet on stock-taking; our terms are so low that anyone with even a moderate size business can afford to have it done properly.

BUSINESSES FOR DISPOSAL.

3s 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box number being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

KENT (within 20 miles of London Bridge).—Two well-established Businesses for Sale as going concern; both situated in best part of their respective towns; good class and good prices; books show an average of approximately 50 per cent. gross profit for the last 4 years; rent and taxes low; splendid opportunity for Dentistry and Optics at both places; £1,000 for the two places, or can be sold separately. "Ajax" (12/13), Office of this Paper.

LANCASHIRE Town.—Genuine Light Mixed Retail Business; Wine and Spirit Licence; old-established; gross profit £700; price £700; every inspection allowed to bona-fide applicants. Apply, "Jury" (13/14), Office of this Paper.

LONDON.—Smart, well-fitted Shop in very populous district, without opposition; genuine little business; splendid opening for N.I.D.; working expenses extremely small; nice house, five rooms, etc., in excellent repair; price for quick sale £120. 11/16, Office of this Paper.

LONDON, N.E.—Old-established, profitable Cash Retail Business; in same hands many years; present turnover between £700 and £800; not on Panel, otherwise would be doing over £1,000; very good position; fully stocked; illness sole reason for selling; price for early sale £500; exceptional opportunity for smart man. "Otto" (14/6), Office of this Paper.

LONDON, S.E.—Old-established Business; returns nearly £1,000; no N.I.D., Photo, or Optics; grand scope for increase; situated in a thickly populated neighbourhood; good house and garden; price about £500. Apply, 11/6, Office of this Paper.

LONDON, S.W.—Old-established Business; run on modern lines; splendidly fitted with electric light and gas; well stocked; long lease; open to reasonable offer for immediate purchase. Personal inspection invited after applying to "Seltart" (12/22), Office of this Paper.

LONDON, S.W.—Old-established Retail and Dispensing Business; price £250; death vacancy; well stocked; rent £50; in good position. Further particulars apply, 12/33, Office of this Paper.

SOUTH WALES.—Good old Family Business for Sale; price about £600; turnover £800, has been £1,500; neglected; large house, bath room; corner position; any length lease can be had; three months' engagement to suitable purchaser to test the genuineness of the purchase. Apply, 6/38, Office of this Paper.

SUSSEX.—Unopposed Country Business for Sale; beautiful locality 20 miles from coast; lock-up shop; takings £800; full prices; profits unusual; very low rent; plenty of scope. 131 61, Office of this Paper.

YORKSHIRE, West Riding (about 9 miles from Leeds).—Best position in busy industrial town of about 25,000 inhabitants; no near opposition; taking under management about £800 per year without N.H.I.; price £350; could reduce stock to £300; excellent opportunity. 12/32, Office of this Paper.

A GOOD Retail and Dispensing Business for Sale in the North-West of London through serious illness of owner; £300 or firm offer. Apply, 12/18, Office of this Paper.

A going concern, fixtures, stock, and connection of established Business of Chemist and Druggist; situate within five miles of Manchester. Apply, H. B. Leah, Incorporated Accountant, 9 Warren Street, Stockport.

CHEMIST and Drug Stores for immediate Sale owing to death; population 2,000; nearest Chemist 5 miles; exceptional chance for anyone with capital; will accept first reasonable cash offer; rent £18 and taxes. "Chemist," Rainham, Essex.

CHEMIST'S, Stationers's, etc.; country town in the South of England; old-established business, showing good profit; £500 only; stock and fittings at valuation. Reply, 281/11, Office of this Paper.

SMALL Branch-Business: good position on a main road. Croydon district; rent £35; lease; good living accommodation and garden; £6-£7; £120 or offer. "D," c/o The British Drug Houses, Ltd., Graham Street, London, E.C.

£225 (£75 cash and balance by arrangement) will purchase a well-stocked Pharmacy in nice district some 30 miles south of London; net profits £160; satisfactory reasons for selling. Reply, "Wenton" (9/3), Office of this Paper.

BUSINESSES WANTED.

CHEMIST, with capital, would be pleased to hear from gentleman wishing to realise privately London district Business, and offering bargain to suit present circumstances and to secure direct purchaser paying cash. Address present monthly takings, cash terms or price, etc., to "Anilin" (14/14), Office of this Paper.

FOR SALE.

COUNTERS, Drawers, Shelving, Cupboard, and Cornice complete for Chemist's Shop; second-hand; to be sold cheap. Write, "T. H. W.," 18 Cornhill, E.C.

FOR Sale, the entire Fixtures of a Chemist's business, comprising Counters, Counter Cases, Wall Cases, Wall Fixtures, Shop Rounds, Dispensing Counter, etc.; to be sold cheap to immediate purchaser. Apply, J. & J. Thompson & Co. (Ashton-under-Lyne), Ltd., 291 Stamford Street, Ashton-under-Lyne.

SECOND-HAND National Cash Register for Sale; good serviceable machine; bargain; must sell. Write, "W. J. R.," 89 Brayard Road, Peckham, S.E.

TO LET.

CHEMIST'S; lately closed; good opening for business man; low rent; only English taken; late tenant German. Write landlords, Brien & Co., 38 Great Eastern Street, London, E.C.

LARGE, spacious Premises to Let on lease in North London and West Croydon, with Stabling, Caretakers' Rooms, and suitable Warehouses for Manufacturing articles of any description. Apply, Estate Department, Stamford House, Stamford Street, Blackfriars.

PARTNERSHIPS.

IN an old-established Retail and Wholesale business in the North of England an opportunity occurs for a young man accustomed to first-class business, with energy and a fair amount of capital (not less than £600 or £700) at his disposal. Apply, "Confidential" (9/29), Office of this Paper.

AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box number being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

TOILET SOAPS & PERFUMERY

The well-known Representative of an old-established House will shortly be at liberty. He is in touch with most of the Wholesale and Retail buyers in England, Scotland and Wales. Correspondence invited, addressed (in first instance) to—
8/7, Office of the CHEMIST & DRUGGIST,
42 Cannon Street, E.C.

EGYPT.—Agency wanted by capable man, established connection amongst Physicians and Pharmacists, to introduce novelties in Medical and Pharmaceutical goods; 16 years' residence in country. J. MacGregor, 3 Rue Cléopatra, Alexandria, Egypt.

SITUATIONS OPEN

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

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RESULTS
OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK OCT. 17, 1914
NATURE OF ADVT. REPLIES
SITUATIONS OPEN
QUAL. MAN 29
REPRESENTATIVE 20
MANAGER 16
SIT. WANTED ASSISTANT 15

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number of nom de plume.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed o/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the material set before him.

RETAIL.

COUNTRY Town, Yorkshire.—Wanted, November 16, unqualified Assistant of good appearance; competent and reliable Dispenser and capable Counterman; reasonable hours: weekly half-holiday; outdoors. Full particulars of age, height, experience, and references, with photo if possible, 9/19, Office of this Paper.

EASTBOURNE.—Improver wanted for high-class Dispensing business. State salary (outdoors), with usual particulars enclosing carte, to H. R. Browne, Pharmaceutical Chemist, Eastbourne.

GLOUCESTER.—Wanted, an Assistant (22-24), outdoors, for all-round General work; one desiring a permanency and not afraid of work; must have good references. Send photo and full particulars to Broad, Chemist, Gloucester.

HULL.—Wanted, Junior Assistant (outdoors), used to good-class Retail and Dispensing business. Send full particulars, age, reference, and salary required, C. M. Kirton, Pharmaceutical Chemist, 197 Coltman Street, Hull.

RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

PARISH OF HAMMERSMITH.

DISPENSER (male or female) wanted at the Outdoor Dispensary, Cathnor Road, Shepherd's Bush; hours of duty each weekday 9 to 10 a.m. and 6 to 7 p.m. (or on each occasion until finished, if later); the duties include the testing of Milk for the Guardians' Institutions.

Salary 25s. per week.

Application to be made not later than the 31st October on form to be obtained from the undersigned.

Selected candidates are required to undergo a medical examination by the Guardians' Medical Officer.

By Order,

S. M. JONES, Clerk to the Guardians.

Guardians' Offices,

206 Goldhawk Road, Shepherd's Bush.

HUDDESFIELD.—Wanted, fully qualified man to take charge; one familiar with Herbs preferred. Apply in the first place to W. H. Cook, Ltd., 6 Market Place, Huddersfield.

IRELAND.—Assistant required; good Counterman and accurate Dispenser; preference given to one able to Extract Teeth and take Impressions. Cole, Chemist, Cavan.

LIVERPOOL.—Junior, smart, about 21, outdoors, for good-class City business; must have good Dispensing experience; no Sunday duty. Full particulars to "Iodine," c/o Evans Sons, Lescher & Webb, Ltd., Liverpool.

LIVERPOOL.—Wanted, qualified Manager for Light Retail and Dispensing business; hours—open 9 a.m., close 9 p.m., except Friday 10 p.m. and Saturday 11 p.m.; alternate Sunday duty, 6 to 9 p.m. Apply, giving full particulars and mention salary required, G. M. Sleggs, Chemist, 1 St. Domingo Vale, Liverpool.

LIVERPOOL.—Competent Assistant wanted; outdoors; must have had good experience; no Panel work. Apply, R. & J. Herman, Pharmacists, Aintree, Liverpool.

LONDON, City and West End.—Countermen; capable, tactful, of good appearance and address; London experience. Apply, with full particulars, personally, or enclose photo, Cofman's Pharmacy, 25 York Place, Baker Street, W.

LONDON.—Improver wanted; outdoors; hours 9 to 8; no Sunday duty. James Epps & Co., Ltd., 60 Jermyn Street, S.W.

LONDON, N.—Assistant wanted, with a good general knowledge of the business, including Counter, Dispensing, and Window-dressing. Please state age, experience, references, salary required (outdoors), and when disengaged, or apply personally, to Bishop & Vincent, 460 Holloway Road, London, N.

LONDON, N.—Wanted, an Assistant, part-time, in good-class business, about 23. State full particulars, "Resinol" (12/6), Office of this Paper.

LONDON, N.W.—Junior wanted; outdoors; two kept; good experience to be obtained in Dispensing and Retail. Apply personally, or by letter, with photo, giving full particulars, to C. Coutts Michie, 175 Kentish Town Road, N.W.

LONDON, N.W.—Junior or Improver for good-class business; outdoors. Please apply, stating age, references, salary required, to Berry, Pharmacist, 96 Craven Park Road, Harlesden.

LONDON, S.E.—Wanted, a smart young unqualified Assistant, accustomed to modern Store trading; outdoors; must have good references. Apply, F. Ullett, 198 Rye Lane, Peckham, S.E.

LONDON, W.—A temporary Assistant wanted at once, about 23, for good-class Dispensing business; outdoors. W. McEwen, 17 Craven Road.

MANCHESTER.—Junior (outdoors), early in November, for General Retail and N.H.I. work. Write, giving full particulars and salary expected, to J. Bell, Pharmacist, 113 London Road, Manchester.

MIDLANDS.—Competent Assistant, 25-28, unqualified, wanted at once for good-class Dispensing and Photographic business; outdoors; no Sunday duty. Apply, stating age, experience, and salary required, 11/23, Office of this Paper.

MIDLANDS.—Junior Assistant; age about 21; one who is desirous of obtaining Dispensing experience; Mixed business. State salary required and when at liberty, 9/30, Office of this Paper.

MIDLANDS.—Manager required for brisk Cash business; must be first-class Counterman and keen business man; liberal interest in the profits offered to suitable applicant. State age, whether married, and earliest date at liberty, 9/30, Office of this Paper.

REIGATE.—Wanted, a competent Assistant for high-class Retail and Dispensing business. State height, salary required (indoors), and full particulars to A. J. Pratt, High Street, Reigate.

S.T. LEONARDS-ON-SEA.—Junior (outdoors) for Dispensing and General Retail business. State age and salary required, Neve & Co., Pharmaceutical Chemists, Silverhill, St. Leonards.

SCARBOROUGH.—Qualified Assistant wanted early in October. State age, salary required, and references. Clare & Hunt, South Street.

SOUTH KENSINGTON.—Wanted, a smart unqualified Assistant (outdoors); salary £2 per week; must be gentlemanly, reliable and trustworthy, and have had good-class Dispensing experience. Give full particulars of previous engagements, age, and height, to "S. O. S." (12/9), Office of this Paper.

SOUTH KENSINGTON.—Wanted immediately, to fill war vacancy, outdoor Assistant, about 25; must be accustomed to high-class Dispensing business; duties shared by three. Apply, with usual particulars, photo, etc., or personally, to Manager, Stickland & Co., 23 Cromwell Place, South Kensington, S.W.

S. WALES.—Experienced Assistant required; outdoors; hours 8.30 to 8, 1 o'clock Wednesday; no Sunday duty; Welsh-speaking preferred, but not essential. Apply, with full particulars, to Williams, Ph. Chemist, Maesteg, Glam.

WEST CENTRAL.—Wanted, qualified Assistant; accustomed to good-class Retail and Dispensing business; outdoors; personal application preferred. Burden & Co., Pharmacists, 41 Store Street, Bedford Square, W.C.

WIMBLEDON, S.W.—Junior Assistant or Part-time, at once; experienced in Dispensing; indoors; good opportunity for study and to attend evening classes. "Chemist-Optician," 76 High Street, Wimbledon.

A QUALIFIED Assistant for a London Light Retail and Dispensing business; indoors. 9/13, Office of this Paper.

ASSISTANT wanted; all day Thursday off; no Sunday or Bank Holiday duty. Send full particulars and salary required to Lord & Co., Cash Chemists, 547 Barking Road, Plaistow, London, E.

ASSISTANT, unqualified, about 24, as Dispenser for Surgeries in colliery district; comfortable berth. State age, references (photo if possible), and salary required to 8/37, Office of this Paper.

ASSISTANT; National Insurance work; capable Extractor; knowledge of Artificial Teeth preferred. Please give full particulars experience and ability, reference to previous employers, when disengaged, salary required, with or without rooms, photo, 11/38, Office of this Paper.

ELDERLY qualified Chemist required, mainly for N.H.I. Dispensing; comfortable and permanent berth. State age, salary required, 9/031, Office of this Paper.

EVENINGS; Monday, Tuesday, Wednesday, and Friday (up to 9.30), Saturday (11.30); Dispensing and Stock; must be a quick and good worker; Store trade. Full particulars to "Manager," 297 Edgware Road, W.

IMMEDIATELY.—Junior or good Improver for quick medium-class Retail and Dispensing business; must have had some experience in Dispensing; outdoors. Personal application preferred, failing which please give fullest particulars in first letter, Gigner & Co., 160 King's Road, Chelsea, S.W.

IMPROVER or Junior wanted; outdoors; one accustomed to Agricultural business preferred. Apply, with full particulars of experience, age, and salary required, to Gostling & Co., Chemists, Diss, Norfolk.

JUNIOR, age about 21; used to Dispensing and Photography; outdoors; time for study if desired. Devereux, Chemist, Wood Street, Walthamstow.

JUNIOR Assistant required at once in good-class Dispensing business. Thomas Lunn, Barbourne Pharmacy, Worcester.

JUNIOR Assistant for good-class Pharmacy wanted at once; easy hours; ample time for study. Apply, enclosing photograph, to Downing, Chemist, Launceston.

JUNIOR Assistant required at once (outdoors) for good-class business. Apply, with full particulars and salary required, to S. F. Barker, 46 Chesterton Road, Cambridge.

JUNIOR required for high-class Dispensing business; must be keen and have fair knowledge of Dispensing, making B.P. Preparations, etc.; good opportunity for young man to acquire business knowledge and fit himself for the Minor. Apply, stating salary required (outdoors), to W. H. Fowler & Co., Pharmaceutical Chemists, Redhill.

MESSRS. BARNARD & SON, 309 Hackney Road, London, N.E., have a vacancy for a Junior Assistant; in- or out-doors; one with experience in Insurance Dispensing preferred; three kept; also an Assistant for evening Dispensing; suit Minor Student. Apply (letter only), stating age, experience, references, when disengaged, and salary expected.

MESSRS. E. C. PERKS & CO., 1 Sloane Square, S.W., require a young qualified Assistant; indoors; three kept; a thorough knowledge of Dispensing essential.

PART-TIME qualified Assistant required, to relieve principal, in good-class country business on South Coast; small town; suit elderly gentleman seeking partial retirement. Apply, with full particulars, to G. H. Gare, Pharmaceutical Chemist, Lymington, Hants.

SENIOR, qualified, in high-class Dispensing business; must have had good experience. Apply, stating age, if single or married, salary required, enclosing photo, Sharman, Pharmacist, Northwood, Middlesex.

SMART Junior wanted immediately; outdoors. Fullest particulars to Williams, 43 Norland Road, W.

UNQUALIFIED Assistant, with good experience (outdoors) required at once in London suburb. State full particulars, salary required, etc., in first letter (permanent position for good man), "Alpha" (13/18), Office of this Paper.

UNQUALIFIED Assistant wanted, at once, for old-established business in working-class neighbourhood in S.E. London; outdoors; hours 8.30 a.m. to 9.30 p.m., Saturdays 10.30 p.m., and three hours' duty every second Sunday evening. Apply, with full particulars, "Alembroth" (14/31), Office of this Paper.

WANTED, a Junior Assistant, with some Dispensing experience, and has served a regular apprenticeship with a Pharmacist. Apply, with full particulars (outdoors), to F. J. Gibson, Pharmacist, Wolverhampton.

WANTED, good Junior (outdoors); experienced Dispenser and good Counterman; three Apprentices and Senior kept. State salary and enclose references to Flanders, Chemist, Mill Road, Cambridge.

WANTED, at once, unqualified Assistant; must have good experience; indoors. State salary required and all particulars, enclosing photo, to Barnes & Marsh, 194 Upper Richmond Road, Putney, S.W.

WANTED, immediately, a qualified Assistant Chemist for Drug Department; accurate Dispenser; abstainer; Welsh-speaking, with best references. "Chemist," Pontlottyn, via Cardiff.

WANTED, at once, energetic Assistant for good-class Country Retail; hours 8.30 to 7, Thursdays 1 o'clock, Fridays 8.30, and Saturdays 10 p.m.; no Sunday or Bank Holiday duty. Apply, stating age, height, salary (outdoors), experience, and photo if possible, to Harry Shackleton, Rexall Pharmacy, Abergavenny.

WANTED, a competent unqualified Assistant, with knowledge of Photography; outdoors. Cussons, Chemist, Dorchester, Dorset.

WANTED, a competent Assistant, not under 25; must be a good Extractor; knowledge of Photography useful; state age, salary required, and recent reference. Apply, "W. T. T.," The Medical Hall, Dartford, Kent.

WANTED, a smart Junior Assistant, accustomed to good-class Retail and with a knowledge of Dispensing essential; age from 24 to 26. Apply, 13 Church Street, Camberwell, London, S.E.

WANTED, young Assistant to assist in Dispensing. H. Lyon, 18 Formosa Street, W.

WANTED, in about a month, in North Lancashire market town, a young Lady Assistant in Mixed business; assist at Counter, Window-dressing, put up Stock, etc.; hours 8.30 to 7.30 Saturday 8.30; half-holiday; must be willing and obliging. State salary and full particulars to 13/7, Office of this Paper.

WANTED immediately, a fully-qualified woman Dispenser, who is willing also to undertake some clerk's work, for the Bermondsey Tuberculosis Dispensary. For particulars apply to the Hon. Secretary, 108 Grange Road, Bermondsey.

WANTED at once, an unqualified Junior for a high-class Dispensing business in Western Suburb; outdoors; hours 8.30 to 8, every third night duty till 10.30, and every third Sunday; must have passed Prelim. and served a regular apprenticeship with a Pharmacist. State full particulars of experience, etc., enclosing photo, to 11/22, Office of this Paper.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box number being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

CAPABLE young man wanted by Wholesale Perfumers; one who could manage the Despatch Department and introduce a good working system. Apply, stating age, salary required, etc., to 127/26, Office of this Paper.

COUNTER hands, aged about 20, wanted for the Wet and Dry Floor of a London Wholesale house. State previous experience, age, and wages expected to 14/019, Office of this Paper.

DRUG Packers.—Experienced men required, used to Home and Export, for London Wholesale Druggists. Apply, 131/74, Office of this Paper.

DRUG-GRINDERS.—Wanted, at once, young man to take charge two Edge-runner mills; must have had good practical experience. Apply, stating age, previous engagements, and wages required, to "Miller" (134/1), Office of this Paper.

EXPERIENCED Tablet-maker required, with knowledge of Coating; permanency; good wages. Timothy White Co., Ltd., Portsmouth.

HOUGH, HOSEASON & CO., Manchester, invite applications for Chief Clerk; knowledge of Drug business and up-to-date methods indispensable. State fully details, experience, and salary. Previous applicants not replied to courteously declined.

LABORATORY.—Young man wanted immediately in Manufacturing Laboratory. Apply, stating age, experience, and wages required, to Secretary, General Apothecaries' Company, Ltd., 49 Berners Street, Oxford Street, W.

LABORATORY.—Man, aged about 25 or under, with experience in the Manufacture of Chemical Syrups, Ointments, Liquors, etc. Full particulars of previous situations and wages expected to 14/19, Office of this Paper.

LADY Clerk wanted temporarily for a few hours daily. Apply, in own handwriting, to Roberts & Co., 76 New Bond Street, W.

PERFUMER.—Required, by a large Manufacturing house, an expert Perfumer; one who is thoroughly experienced and capable of Compounding Perfumes, Toilet Soaps, and of introducing original Toilet articles; must have sound technical knowledge and have some artistic ability to assist in the get-up of the articles. Apply, with full particulars, in confidence, giving knowledge, experience, and salary required, to 133/15, Office of this Paper.

WANTED, young man, with some slight knowledge of Chemistry (not necessarily qualified) to assist in Manufacturing Department. Apply, stating age and full particulars of previous experience, to 13/10, Office of this Paper.

WET Counter hand (Junior) required by Wholesale Druggists, South London. 134/28, Office of this Paper.

YOUNG man wanted, with knowledge of the trade, for Office and to help in Warehouse; age 18 to 24 years. State wages required and experience. Apply, 11/20, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

BRITISH EAST AFRICA.—Qualified Assistant wanted, at once; congenial billet in healthy British town; suit one fond of outdoor life; candidates must be absolutely steady and possessed of good all-round experience; passage paid out. Write, Evans Sons Lescher & Webb, Ltd. (Dept. 9), 60 Bartholomew Close, London, E.C.

BOARD AND RESIDENCE.

WANTED, young lady to share flat (furnished) with another; references given and expected; London. Apply, 6/32, Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.] RETAIL.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box number being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

A QUALIFIED woman Pharmacist seeks appointment; experienced Hospital, Dispensary, Retail, and N.H.I. work (own Pharmacy); easy hours; or Part-time would suit. "Chemist," 61 Church Road, Moseley, Birmingham.

ABLE Assistant; unqualified; 34; married; 5 ft. 7 in.; disengaged; used to fast Store trade, also private Chemists, Dispensing, Prescribing, Window-displays, Extracting; slight knowledge Optics; salary £2 2s. weekly; would invest and accept profit-sharing with good man; month's trial preferable. "Velox," 16 Camelford Road, Greenbank, Bristol.

ADVERTISER, tall, good address, 16 years' first-class Retail experience, is open for outdoor engagement. "Lenoll," 76 Kimberley Gardens, Harringay, N.

ADVERTISER, unqualified, disengaged; first-class all-round experience; good references; outdoors; West of England preferred. 11/17, Office of this Paper.

ASSISTANT (24), unqualified, seeks berth in country town near London; Counter, Photography, Dispensing, Window-dressing; good references. "Jade" (6/24), Office of this Paper.

ASSISTANT; 23; good all-round experience; accurate Dispenser; excellent references; shortly disengaged. Lloyd, 10 Levison Street, Willenhall, Staffs.

ASSISTANT (outdoors); temporary or permanent; middle-aged. "F. D.," 36 Chudleigh Road, Brockley, S.E.

ASSISTANT (27), unqualified, with good Dispensing experience, requires berth; outdoors; permanency; Photography; highest reference. "E.," 266 Cowley Road, Oxford.

ASSISTANT; 27; tall; abstainer; 11 years' good all-round Dispensing and Counter experience; Photography; outdoors; Midlands or North preferred. Apply, 9/27, Office of this Paper.

ASSISTANT; 15 years' experience; disengaged. "Assistant," The Pharmacy, Glyn-Neath, South Wales.

ASSISTANT; disengaged; London experience; Prescribing, Dispensing, N.H.I.; abstainer. 12/24, Office of this Paper.

ASSISTANT; unqualified; smart, resourceful Salesman; attractive Window-dresser; Photographics and Dispensing. 12/23, Office of this Paper.

ASSISTANT; disengaged Friday and Saturday evenings. "Statim," 37 Quadrant Road, Thornton Heath.

BRANCH Manager; qualified; 36; 5 ft. 10 in.; thoroughly experienced; Photography; married. 13/16, Office of this Paper.

BRANCH Manager; qualified; thoroughly experienced and reliable; West-End and Store experience; excellent references; disengaged shortly; London only. "Salol," 2 Bolsover Street, Upper Marylebone Street, W.

CHEMIST, elderly, qualified, French experience, seeks responsible engagement; tall, active. 11/28, Office of this Paper.

CHEMIST; 39; qualified; Assistant or Branch; experienced Manager; good references. "Pharmacist," 63 Manor Park Road, Harlesden, London, N.W.

CHEMIST-OPTICIAN, with full qualifications and experience, is open for engagement in good Pharmacy or Store for Dispensing and Optical work, or as Sight-tester only. Apply, 11/27, Office of this Paper.

COMPETENT Locum, Manager, or Senior; experienced Counter-man and Dispenser; very effective Window-dresser. "Energetic" (12/12), Office of this Paper.

COMPETENT, trustworthy; Locum or permanency; reliable references. Forster, 5 Coleridge Road, Finsbury Park, N.

DENTAL Surgeon, qualified, good Mechanic, can Dispense and Prescribe, seeks engagement, temporary or permanent; South or West only. "L. D. S." (12/17), Office of this Paper.

DISENGAGED; Assistant or Locum, any period; thoroughly competent, reliable. "Chemicus," 214a The Grove, Hammer-smith.

DISENGAGED; thoroughly capable, up-to-date Assistant; abstainer; capable of management; unqualified. "A. E.," 15 Blackstock Road, N.

DISENGAGED; Managing Assistant; part-time or temporary; thoroughly experienced. "Statim," 64 High Street South, East Ham.

DISPENSING; two or three afternoons or evenings weekly; lady; qualified; experienced. "E. B.," 140 Green Lanes, Stoke Newington, N.

DISENGAGED; Manager, Locum, Assistant; whole, part time; moderate terms; references. 9 Edward Street, N.W.

ELDERLY qualified man; good varied experience; single; terms to suit. "Sesame" (12/036), Office of this Paper.

EXPERIENCED Manager; Bristol, Manchester, etc.; 36; unregistered. "Chemicus," 12 Pentonville, Newport, Moa.

EXPERIENCED, active, tall; Manager or Dispenser. "Minor," 3 Eton Terrace, N.W.

EXPERIENCED; London; Counter, Dispensing; unqualified; 39; outdoors. Field, 125a Murray Road, S. Ealing.

EXPERIENCED Assistant; Counter, Dispensing, and N.I.; disengaged; unqualified. "V.," 3 Rectory Square, Stepney.

EXPERIENCED West-End Dispensing, Counter, Photographics; well recommended; 26; married; unqualified; disengaged October 31. "F. D.," 66 Abingdon Road, High Street, Kensington, W.

GOING abroad shortly; meantime will do Locum work; qualified; experienced. "B.," 6 Rainton Road, Doncaster.

IMPROVER; age 21; 4 years' Hospital experience; capable Dispenser; well recommended; anxious for Retail experience. "Urisol" (134/047), Office of this Paper.

JUNIOR; 5 years' experience; free November. Apply, 1/16, 231 Radford Road, Nottingham.

JUNIOR; 4 years' experience in high-class Dispensing and Retail. "H. P.," 17 Paragon, Bath.

JUNIOR (19) requires situation, large town preferred, with good-class Dispensing. Bullard, 17 Victoria Parade, Felixstowe.

JUNIOR (18) seeks situation with Dispensing Chemist; three years' Drug experience. Apply, 12/10, Office of this Paper.

LADY Dispenser (Apothecaries' Hall) seeks re-engagement with Doctor or Chemist; Yorkshire preferred. 8/3, Office of this Paper.

LADY Pharmacist (Major qualification) desires post. Retail, Doctor, or Institution; good references. 9/35, Office of this Paper.

LADY Dispenser (Hall) requires post in or near London with Doctor or Institution; thoroughly experienced; highest references. 12/28, Office of this Paper.

LADY; qualified; good Dispensing experience; London only; knowledge of Retail and Photography. 11/31, Office of this Paper.

LADY (widow of Chemist) can assist in any branch of the business; well up in Insurance Pricing, etc.; could also superintend housekeeping. 11/21, Office of this Paper.

LADY Dispenser (Hall); disengaged; Doctor or Institution. Hankins, 29 Pembridge Square, Bayswater.

LADY (Hall qualification) requires post with Institution or Doctor in London or suburbs. "A.," 128 Fleet Street, E.C.

LADY Dispenser and Bookkeeper seeks part-time work, 9 a.m. to 5 p.m.; S.W. or S.E. London. 12/21, Office of this Paper.

LOCUM, Part-time; qualified; experienced Counterman, Dispenser. "Tot.," "Rathecole," Ferndale Road, Clapham.

LOCUM; experienced Prescriber, etc.; excellent references; abstainer; 49; single; unregistered. "Open," 66 St. Andrew's, Uxbridge.

LOCUM; qualified; 49; first-class experience and testimonials; disengaged. "Dewey," 3 Helena Avenue, Margate.

LOCUM, permanency; qualified; disengaged; thoroughly experienced, reliable. "Chemicus," 116 Galloway Road, Shepherd's Bush, W.

LOCUM; 44; qualified; experienced; tall; no single-handed; disengaged. Rogerson, Cunliffe Terrace, Bradford.

LOCUM or Manager; qualified; experienced; quick Dispenser, Photography, Optics; good ad. writer and showcard designer; will work up business. "Stimulus" (281/2), Office of this Paper.

LOCUM or Manager; experienced; reliable; qualified. Snow, 24 Bernard Road, Wallington, Croydon.

MANAGER; qualified; married; age 38; permanent or Locum; Kent preferred. 7/19, Office of this Paper.

MANAGER; qualified; middle-age; married; permanency desired; last situation 13 years. State hours and salary, "Quinine" (8/38), Office of this Paper.

MANAGER, Assistant, or view succession easy terms; 36; married; unqualified; Extractor, Prescriber, Photography; holding N.H.I. qualification and excellent references; shortly disengaged. "Energetic," 629 Oldham Road, Newton Heath, Manchester.

MANAGER; qualified; outdoors; London or Suburbs; first-class experience. 14/5, Office of this Paper.

MANAGER; qualified; 34; excellent all-round experience; disengaged shortly. "Iridin," 29 West Bank, Stamford Hill.

MANAGER; qualified; wide experience; capable organiser of business pulling methods; sound references. "Gentian" (14/17), Office of this Paper.

MANAGERSHIP or responsible position; qualified; middle-age (51); tall and active; good references and experience; town or country. 9/24, Office of this Paper.

MANCHESTER or Cheshire.—Branch Manager or Assistant; 27; unqualified; accustomed to taking charge; experienced Dispenser; knowledge of Photography; good Counterman; permanency desired; at present Senior over three. "Chemicus," 41 Wilmot Street, Derby.

MANCHESTER.—Branch Management or Senior Assistant; married; qualified; experienced; excellent references. 13/13, Office of this Paper.

MIDDLE-AGED; married; 30 years' experience; unregistered. Address, "H.," 29 Clayton Street, Failsforth.

MINOR man; single; moderate terms; Hall and N.H.I. experience; London or country. "Cresol" (12/36), Office of this Paper.

PART-TIME: evenings after 6; at liberty immediately; qualified. Simkin, 46 Mayflower Road, Clapham, S.W.

PART-TIME, day or evening; qualified; Dispensing or Retail; good experience. 13/2, Office of this Paper.

PART-TIME (9 till 4); 25s.: Counter, Dispensing; smart, up to date. Harrison, 89 Camberwell Road, S.E.

PART-TIME Assistant; good references; reliable; free Monday afternoon and evening, Friday same, all day every other Saturday, with Sunday duty if required. 14/23, Office of this Paper.

PERMANENT; 21; smart appearance; Dispensing, Counter, Photography; good Window-dresser; good reference; used to good-class trade; outdoors; disengaged. "Rhei," 29 Albert Park, Ashley Road, Bristol.

PHARMACIST, 31, energetic, reliable, West-End, Dispensing, Agricultural, and General experience, desires permanency as Manager or Senior Assistant; last permanency 4 years; excellent references. Hollows, 6 Meridian Terrace, Gloucester Road, Bishopston, Bristol.

PHARMACIST (28) desires permanency as Manager; first-class experience, West-End and South Coast, in Dispensing, Counter, and Prescribing; reliable; excellent references. 11/30, Office of this Paper.

PHARMACIST; elderly, single; Manage, Assist; best-class experience; terms moderate. 12/7, Office of this Paper.

QUALIFIED (32) seeks post as Branch Manager in suburbs or country near London; West-End and provincial experience. 6/27, Office of this Paper.

QUALIFIED (24), disengaged, experienced, desires outdoor situation with plenty of work in or near London. 8/40, Office of this Paper.

QUALIFIED; 37; single; abstainer; presently disengaged; 8 years last situation; excellent references; Manager or Assistant; permanency. 9/4, Office of this Paper.

QUALIFIED; 36; married; Counter, Dispensing, Photography; disengaged. Stewart, 3 Elborough Street, Southfields, S.W.

QUALIFIED; experienced; disengaged; 33; references. "S. W.," 2 Aberdeen Street, Nottingham.

QUALIFIED; Manager or Senior; experienced, reliable, and energetic; young; abstainer; London or near preferable. Apply, 12/26, Office of this Paper.

QUALIFIED; Manager or Senior; thoroughly experienced in Dispensing and Counter work, advertising, and general management; references. Apply, 12/3, Office of this Paper.

QUALIFIED (25), first-class experience, speaks French, good Dispenser, desires situation in London (West End). "J. B. H." (12/40), Office of this Paper.

QUALIFIED; Minor; age 24; height 5 ft. 10 in.; experienced in high-class Pharmacy. H. Ceri Griffith, Avenfryn, Cilgerran S.O., S. Wales.

QUALIFIED, disengaged, 10 years' first-class experience Dispensing and Photographic, age 27, seeks permanency; good references. Apply, W. Maynard, Midland, Andover, Hants.

QUALIFIED, with first-class country, West-End, and Store experience, desires Managership with view to early succession; country town preferred. 14/15, Office of this Paper.

QUALIFIED; tall; 16 years' all-round experience; good references; Branch Managership or Assistant; Store line preferred. "Statim," 18 Myddelton Square, E.C.

UNQUALIFIED; 41; energetic and reliable; quick Counter, N.H.I. and Manager's experience; moderate terms during war; disengaged. "S.," 604 Woolwich Road, Charlton, S.E.

UNQUALIFIED; Dispensing, Counter, Photo; 16 years' experience; wages required 40s.: in or near London preferred. A. Hopkins, 135 Lewisham Road, Lewisham, S.E.

UNQUALIFIED; 27; tall; London preferred. Stapleton, 6 Lincoln Road, Polder's End, N.

UNQUALIFIED; 27; 11 years' experience; Dispenser, Prescriber, Window-dresser; accustomed to charge; Liverpool preferred; or Locum; abstainer. "Ajax," c/o Ellis, Backhill, Foulzie, Macduff, N.B.

UNQUALIFIED; single; Dispensing, Counter, N.I., Extractor; Midlands. "Mercury" (13/20), Office of this Paper.

UNQUALIFIED; 23; North preferred; references; honest, careful. 12/1, Office of this Paper.

UNQUALIFIED; 25; 5 ft. 10 in.; good-class business; wide experience; Locum or permanency. 11/10, Office of this Paper.

UNQUALIFIED; 24; good references; North London preferred. 12/25, Office of this Paper.

UNQUALIFIED; abstainer; tall; Photography, Dispensing, Counter; 38. Howes, 15 Hexthorpe Road, Doncaster.

UNQUALIFIED; evening work wanted; Dispensing or Surgery Attendant. "A.," 24 College Street, Chelsea.

WANTED, a quiet situation in a healthy country town (South) by an elderly Chemist; registered; small salary accepted. Penney, 5 Penrhyn Crescent, Llandudno.

WANTED, duties; Thursday and Sunday evenings, alternate; Dispensing or Counter. Goodwill, 10 Strickland Street, St. John's, S.E.

YOUNG lady (Apothecaries' certificate) requires post as Dispenser to Medical man. References on application, 13/4, Office of this Paper.

YOUNG Lady (26) seeks situation; experienced at Cash Desk, Stock, and Counter. Miss Glover, 84 Stormont Road, Clapham Common, S.W.

WHOLESALE.

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A YOUNG man is open to Represent several non-clashing firms on the South-Western, Western (including Wales) ground; Welsh-speaking; calling on Doctors, Chemists, Institutions and Hospitals, Public Authorities, Grocers, Stores, Farmers, etc.; will undertake full advertising and sales, conducting, propaganda if it will be sanctioned; highly competent in that direction; a unique opportunity. Apply, "Energetic" (8/19), Office of this Paper.

ANGLO-AMERICAN Medical man, Bachelor of Arts, strictly temperate, 5 years' Hospital and post, Graduate study, completely conversant in French, German, and Spanish, seeks appropriate position in Drug or other house. Address, "Idiomia," c/o Dorland Agency, 3 Regent Street, S.W.

BELGIAN Chemical Engineer, at present representing makers of Mechanical Apparatus, is open to take up the Representation in France of British-made Chemicals and Pharmaceutical Products. Write, R. de Vreese, 35 Albert Road, Folkestone.

CLERK; thoroughly experienced in Counting House work; age 31; 14 years' experience as Pricer of Drugs, Patent Medicines, etc. 11/7, Office of this Paper.

HORTICULTURAL Specialities.—Foreman wants position of trust. "Chemicus," 35 Thornton Avenue, Chiswick.

PACKERS.—Two young ladies, experienced, desire position as Packers, put up Stock, etc.; Wholesale or Retail; references. Apply, 15/3, Office of this Paper.

QUALIFIED, 20 years' first-class Retail and Store experience, wishes position in Lancashire Wholesale house in capacity of Traveller or otherwise; Liverpool district preferred. "Statim," 29 Avondale Road, Southport.

REPRESENTATIVE to call on Medical men and Chemists seeks position; 10 years' experience; 7 years last employers; suspended owing to war; ground covered, all towns north of Birmingham to Aberdeen, and Ireland; resides near Liverpool. "E. A. S." (134/36), Office of this Paper.

STOCKKEEPER (18) seeks employment; 2 years' experience in Patents; reference. 9/37, Office of this Paper.

TRAVELLER, working South-West of England, wants extra goods to sell; has customers in over 200 towns; holds fidelity guarantee; contribution towards expenses and commission. For further particulars write, 281/21, Office of this Paper.

WHOLESALE.—Pharmacist (36), Retail experience, desires trustworthy position; provinces preferred; excellent references; subordinate position not objected to; would invest money in sound concerns offering good prospects. 9/40, Office of this Paper.

MISCELLANEOUS.

McADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone 81 Lee Green. Shares for Sale (free of commission, subject).—100 J. Knight Ordinary, 25s. 6d.; 50 Lever "C" Preference, 21s. 3d. Wanted (subject).—70 Wright, Layman Preference, 20s. 6d. x.d.; 20 Benger's Preference, £5 13s. 6d.; 20 Brunner, Mond Ordinary, 76s. 6d.

List of Shares for Sale and Wanted sent free on application. Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

SECOND-HAND Chemist's Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, **RUDDUCK & CO.**, 262 Old Street, London, E.C.

BEST cash price for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. S. E. Hackett, 23 July Road, Liverpool, E.

SHOPFITTINGS at War Prices.—To make room, the whole of our Stock is to be sold at reductions from 10 per cent. to 50 per cent. discounts; 12-ft. Mahogany and Plate-glass Counter, £8 7s. 6d.; 6-ft. Mahogany Wall Showcase, 9 ft. high, £7 17s. 6d.; 6-ft. Mahogany and Bent Plate-glass Counter Case, 90s.; other bargains in proportion. Write inquiries, **PHILIP JOSEPH & SONS, LTD.**, 93 Old Street, London, E.C.

CHEMISTS' Fittings.—Silent Salesman, Glass Showcases of every description, Drugfittings, Dispensing-screens, Wall-cases, Glass-front Counters, Perfume-cases, Desks, Counter Drawers, Shelves, Mirrors, shop-soiled, second-hand, at lowest prices; don't decide till you get my estimate; you can't get better value; 30 years fitting Pharmacies. **GEORGE COOK**, The Chemists' Working Shopfitter, Catherine Street, City Road, E.C. (few doors from Old Street).

CHEMISTS' Fittings, High-class.—14-ft. Drug Fitting, Mirror Centre; 8-ft. Mahogany Wall Case; 8-ft. Dispensing Screen and Counter; 10-ft. Glass-fronted Counter; Counter Drawers; Perfumery Case and Desk; £55 10s. the lot, bargain; cheapest house in the trade for structural alterations, shop-fronts, etc. **H. MILLS**, Chemists' Complete Shopfitter, Shopfront Builder, Steam Works, 163-5 Old Street, E.C. Phone 550 London Wall.

WAR BUSINESS.

Don't let the big firms do it all. Get your share. I have brought out

THREE SPECIAL CARDS

to advertise the soldiers' needs we are able to supply.

WRITE FOR DETAILS.

Bromley, Chemist, Whetstone, Middlesex.

PROTEINOGEN.

WITH 5% SODIUM GLYCEROPHOSPHATES.

We take the opportunity of stating that our arrangements for the manufacture and supply of milk-proteids with glycerophosphates are complete, and we are now in a position to execute orders at short notice.

We shall supply this preparation under the above title, or to the Wholesale Trade and Stores in bulk or tins bearing their names. It is packed in containers for retail at 1/- upwards, and very liberal terms of discount have been arranged.

In our opinion the present is an opportunity for chemists to avail themselves of some of the advantages of the war and market a preparation of their own—as against those advertised on a large scale, which of necessity must limit the profit to the Trade without giving the public any advantage.

If the matter has any interest for you, and you will kindly communicate with us, one of our representatives will call upon you with further particulars.

We may mention that one of our Principals is the Inventor and late Proprietor of "VIROL."

S. WILLIAMS & Co., Food Specialists,

Buchanan Buildings, Fetter Lane, E.C.1

CHINESE MUSK.—In his annual report on the trade of Teng Yueh, China, the British Consul states that musk is collected on the Tibetan border, and brought down at intervals when a sufficient stock has been accumulated. As these intervals are irregular, the absence of musk from the trade returns of any one year does not necessarily mean a real diminution in the trade. In the year 1913, however, political conditions on the Tibetan border have been most unfavourable to business, and there were no exports from Teng Yueh. It is very improbable that exports in 1914 will show any considerable recovery.

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

FOR DISPOSAL.

DRUGS AND CHEMICALS.

FOUR 1-lb. tins saccharose; best cash offers. Sueath, Chemist, Grimsby.

4 oz. cochin. hydrochlor., 9s. per oz. post free. Finlayson, Pharmacist, Stockton-on-Tees.

2 oz. atropine sulph., 10 oz. sulphonal; what offers? Watt, 28 Esslemont Avenue, Aberdeen.

7 lb. bismuth. rubinit.; will send small quantities postage paid at 9s. 6d. per lb. Hoag, Chemist, Ulverston.

POTAS. permang., 7 lb.; acid. citric, 7 lb.; santonine, 2 oz.; acetosal, 2 lb. Offers wanted, Bartlett, Battersea.

WHAT offers, 4 oz. urotropine, 8 oz. ichthyol, 2 oz. veronal, 2 oz. diuretin, 2 oz. morphia hydroch.? "Pharmacist" (9/32), Office of this Paper.

NEO-SALVARSAN, 0.9-gramme tubes, six dozen; what offers, whole or part. "Pharmacist," 51 Tonbridge Street, Euston Road, N.W.

OPTICAL AND PHOTOGRAPHIC.

IMPERIAL plates, larger sizes, half retail price. 11/37, Office of this Paper.

NEW guinea microscope, not unpacked; offers, or would exchange for optical projection lantern. Lee, Chemist, Gainsborough.

MISCELLANEOUS.

MORTAR and pestle, perfect, size 12, 10s.; O'Brien's voucher till (cost nearly £9), £3; three quinine pessary moulds (two 6-hole, one 12-hole), 27s. 6d. Williams, 91 Hoxton Street, N.

HOT-WATER rubber bed, nearly new, best quality, £5 or near offer; 2 specie jars in good condition, £1; 2 pear-shape ear-boss, 7s. 6d. each. 126 Stephendale Road, Fulham.

WANTED.

WANTED, hyd. iodi rubri, potass. iodi, iodine. 7/18, Office of this Paper.

WANTED, novocaine and suprarenin tablets. Apply, 9/23, Office of this Paper.

WANTED, 1s. Pedicures in good condition. State lowest price, Inglis, Heaton Moor.

WANTED, eucain laetate, salvarsan, neo-salvarsan. Particulars, Rouse & Co., Wigmore Street, London.

WANTED, cachets, size No. 1. State quantity and lowest price for prompt cash, 7/15, Office of this Paper.

WANTED, several large composition mortars and pestles. Randall & Son, Pharmaceutical Chemists, Warcham.

WANTED, set of shop-rounds and dispensing-screen; cheap for cash. Apply, "Burns," c/o Reynolds, 1 Deacon Street, S.E.

PACKING-CASES wanted, any quantity, second-hand, large. Write, "Z. E. 113," c/o Deacon's, Leadenhall Street, E.C.

WANTED, folding and vest-pocket cameras, any quantity, for cash. Full particulars to Watson's, 84 High Street, Sheffield.

WANTED, metal mortar and pestle, about 8-in. diameter, good condition, cheap; wanted, 1 doz. 1-pint N.M. shop-rounds, 1 doz. ½-pint. Apply, Tirrell, Hanley.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, London, S.W.

CORNER FOR STUDENTS.

Conducted by Leonard Dobbin, Ph.D.

All communications for this section should be addressed thus: "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

Qualitative Analysis.

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a stamped and addressed envelope, not a stamp merely) will be received up to Tuesday, October 27, on which day the samples will be posted.

Students' reports will be received up to Saturday, November 7. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The analysis announced above forms the opening exercise in

THE ANALYTICAL TOURNAMENT

for the current winter session. We offer special certificates and prizes for the best series of reports submitted on the exercises to be set from November 1914 to April 1915 inclusive. The awards will be made to the students who obtain the highest aggregates of marks for their reports upon the whole six exercises, and will comprise:

First Prize.—Certificate of honour and books to the value of two guineas.

Second Prize.—Certificate of honour and books to the value of one guinea.

Third Prize.—Certificate of honour and books to the value of half a guinea.

The competition is open to all pharmaceutical students who have not passed the Major examination in Great Britain or the Licence examination in Ireland. Former tournament prizewinners are disqualified from taking a tournament prize, unless it be a superior one to that previously gained. Besides the tournament prizes, the usual monthly awards will be made to junior students, viz.:

First Prize.—Books to the value of 10s. or thereabouts.

Second Prize.—Books to the value of 5s. or thereabouts.

These monthly prizes will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact must be attested on their reports.

In the forthcoming series of tournament exercises the usual analyses of mixtures of salts may be diversified occasionally by some other form of exercise bearing on chemical analysis.

Students may save themselves the trouble of sending in an application monthly by forwarding at the present time six stamped addressed envelopes (marked on the top "Corner for Students"), which will be utilised month by month.

Students who adopt a *nom de plume* must adhere to it throughout the tournament.

SOURCES OF THYMOL.

RELIEF to the present high cost of thymol is being sought, says "The Perfumery and Essential Oil Record," in sources other than ajowan-seed, the scarcity of which is responsible for the prevailing prices. Origanum and thyme oils naturally suggest themselves, but often the presence of carvacrol is a deterrent. Of origanum oils that from *Origanum hirtum* alone yields thymol exclusively, while that from *O. Maru* generally contains carvacrol only. In the South of France thyme oil from *Thymus vulgaris*, carvacrol is usually present besides thymol. French thyme, grown in Germany, yields an oil containing carvacrol only, but German thyme gives thymol alone, as also does Spanish thyme (origin not proved). The essential oil from the American horsemint *Monarda punctata*, that from dittany, *Cunila mariana*, that from *Mosla japonica* (indigenous to Japan), and that from *Satureja thymbra* (a spice used in Spain) may possibly also be sources of the much-needed substance.

LIMITED COMPANIES.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

DOUGLAS LONGMATE, LTD. (P.C.).—Capital 500l., in 1l. shares. Objects: To carry on the business of makers of and dealers in surgical instruments and appliances. D. Longmate and Mrs. E. Longmate are the subscribers and first directors. R.O., 142 Manningham Lane, Bradford.

J. R. CAVE, LTD. (P.C.).—Capital 7,000l., in 1l. shares. Objects: To take over the business carried on at Southport as "J. R. Cave," and to carry on the business of chemists, druggists, etc. The subscribers and first directors are J. R. Cave, W. H. Smith, and C. S. Royston.

SANCITO, LTD. (P.C.).—Capital 1,000l., in 1l. shares. Objects: To carry on the business of manufacturers of cough-mixtures, patent medicines, proprietary articles, and chemists' sundries, etc. The first directors are J. H. Senior, Margaret B. Senior, A. Lowther, and Gertrude M. Weekes. R.O., 270 Lavender Hill, London, S.W.

V. G. S. SYNDICATE, LTD. (P.C.).—Capital 500l. Objects: To carry on the business of manufacturers, buyers, and sellers of medicines, pharmaceutical and medical, toilet and food preparations, drugs, ointments, etc. The first directors are W. P. Higham, C. S. Good, and F. J. Smith. R.O., 210 Capel House, New Broad Street, London, E.C.

LYSOL, LTD. (P.C.).—Capital 5,000l., in 1l. shares. Objects: To carry on the business of manufacturers of and dealers in surgical and other antiseptic disinfectants, dressings, ointments, lotions, and powders, chemists, druggists, dentists, opticians, etc. The subscribers are S. H. Marshall, 9 Vincent Square, Westminster, S.W., manager, and F. Milligan, accountant, and they are to appoint the first governing director, who may retain office for life, subject to holding 200l. shares. Solicitors: Moodie & Sons, 2 Basinghall Avenue, London, E.C.

Company News.

A. & F. PEARS, LTD.—The directors' report to be submitted to the ordinary general meeting to be held at the Holborn Restaurant, London, on October 29, states that the net profit for the year ended June 30, 1914, was 61,640l. 9s. 1d., which with the amount brought forward from 1912-1913, after paying interest and interim dividends, left a balance of 69,448l. 15s. 8d. The directors recommend the payment of dividends for the half-year ended June 30 of 6 per cent. on the 200,000 cumulative preference shares and 12 per cent. on the 320,000 ordinary shares, making 10 per cent. for the year; 10,000l. is to be carried to the reserve fund, leaving a balance of 34,248l. 15s. 8d. to be carried forward. An extraordinary general meeting will be held immediately following the ordinary meeting to consider a resolution regarding the new articles of association of the company, a proof-print of which will be available for inspection by shareholders at the office of the company during business-hours from October 19 to 28.

COMING EVENTS.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Wednesday, October 28.

Thames Valley Pharmacists' Association, Thames Valley Café, 40 Clarence Street, Kingston-on-Thames, at 3 p.m. General meeting, at which Mr. H. Wolf (Middlesex Pharmaceutical Association) will speak.

Public Pharmacists' and Dispensers' Association, St. Bride Institute, Ludgate Circus, London, E.C., at 8 p.m. Dr. T. Ashcroft Ellwood on "The Influence of the War on Medicine and Pharmacy."

Liverpool Chemists' Association, Royal Institution, Colquitt Street, at 8 p.m. Meeting for election of President and to receive miscellaneous communications.

Thursday, October 29.

Cheltenham and Gloucester Pharmacists' Association, Plough Hotel, Cheltenham, at 9 p.m. Ordinary meeting.

THE BOARD OF TRADE, in pursuance of their powers under paragraph 8 of the Trading with the Enemy Proclamation No. 2, dated September 9, 1914, have decided that payments may be made by British subjects to the agents of enemy shipowners for the purpose of obtaining possession of their cargoes in neutral ports.

TRADE-MARKS.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1914, p. 237.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. W. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

(From the "Trade-marks Journal," September 30, 1914.)
 "CONLAX": for a medicine (3). By G. Bowerman, Lambert House, Ludgate Hill, E.C. 362,751.
 "IGLODINE": for medicinal chemicals (3). By H. Eagle, Heath Court, Pilgrim Street, Newcastle-on-Tyne. 363,096.

"VI-PROTO": for medicinal chemicals (3), and for food-substances (42). By Boot's Pure Drug Co., Ltd., 37 Station Street, Nottingham. 363,359/360.

Device of seal: for dextrine (4). By Healey, Scaver Co., 1-11 West Seventh Street, South Boston, Mass., U.S.A. 361,360.

"BICOR": for optical goods (8). By W. Watson & Sons, Ltd., 313 High Holborn, W.C. 363,253.

"ENTENTE": for optical goods (8). By Anglo-American Optical Co., 1-14, South Hill Park, Hampstead Heath, N.W. 363,274.

"MONARCH": for filtering-apparatus (18). By H. E. Hughes, 33 Silchester Terrace, Silchester Road, North Kensington, W. 360,985.

"HEMOX" FLESH-FORMER: for a food (42). By J. B. Hollins, 13 Red Lion Square, W.C. 362,556.

"DONGOR": for all goods (42). By the Dongor Hygienic Co., Ltd., New Steine Mansions, Devonshire Place, Brighton. 362,362.

"EM-BOV-NO": for a vegetable extract (42). By the Eustace Miles Proteid Foods, Ltd., 40-42 Chandos Street, Charing Cross, W.C. 363,095.

"PEPINOL": for toilet-preparations (43). By A. Edments, 1A Beech Street, Redcross Street, E.C. 361,781.

"PHAON": for all goods (43). By Barnett's Perfumery, Ltd., 126-123 Bristol Street, Birmingham. 362,856.

"ELISSA": for cosmetics (43). By Lydia E. Forrest, 14 Lorn Road, Brixton, S.W. 363,060.

(From the "Trade-marks Journal," October 7, 1914.)

"THE ALLIES": for all goods (1). By the United Alkali Co., Ltd., 30 James Street, Liverpool. 363,330.

Chinese characters meaning "HONG-KONG LUCKY STAR FOREIGN FIRM": for chemicals (1) and for goods (4). By Wilkinson, Heywood & Clark, Ltd., Wharf Road, Cubitt Town, E. 362,886/7.

"SORLENE": for veterinary chemicals (2). By Crooke's Cellulose, Ltd., 109 Ladbroke Grove, W. 363,265.

"EMDYSOL": for a disinfectant (2). By H. E. Hope & Co., 22 Billiter Buildings, E.C. 363,398.

"TAROMA": for disinfectant-soap (2). By Anna F. Thompson, 22 Billiter Buildings, E.C. 363,532.

"TUDOL": for medicinal, neuralgia, nerve, and influenza tablets (3). By H. S. Reeson, 32 Woolwich Road, Greenwich, S.E. 357,488.

"VALEX": for medicinal chemicals (3). By W. J. Bush & Co., Ltd., 28 Ash Grove, Hackney, N.E. 362,947.

"MURCHIONESS": for all goods (3, 42, 44, 47) and for polishes (50); "MARQUESS" and "OLD NOBILITY": for all goods (3); "MY AIN FOLKS": for all goods (47) and for perfumery, etc. (43); "ATLD LANG SYNE": for perfumery, etc. (43); "VISCOUNT": for polishes (50). By V. R. Wilks, 5 Clarendon Road, West Hartlepool. 363,079/80, 363,081 082 083 084. 363,241/242/245/246/247.

"THROMINT": for a throat medicine and germicide (3). By F. Powell, 190 Fleet Street, E.C. 363,172.

"MUSTUFF": for medicated textile fabrics (3). By Ada Twining, Coombe Oak, Kingston Hill, Surrey. 363,188.

"XIPOLAN": for a medicine (3). By Margaret Gore, Shawholme, Shawgreen Lane, Prestbury, Gloucestershire. 363,307.

"REGLAC": for medicinal chemicals (3) and for food-substances (42). By Regesan, Ltd., 7A Laurence Pountney Hill, E.C. 363,374/5.

"ANTISEPTOIDS": for suppositories, pessaries, and bougies (3). By W. Macadie, Trevone, Shelley Road, Hutton, Essex. 363,373.

"SYNTHOL," for goods (4); "CAMERA," with picture of same, for goods (47) and for perfumery, etc. (43). By Lever Bros., Ltd., Port Sunlight, Cheshire. 363,112/113/224.

"ARTIFEX": for trusses (11). By Catherine A. d'Esterre, 13 Fawcett Street, Redcliffe Gardens, S.W. 363,329.

"TRIBAS": for food-substances (42). By A. Prescott, 63 Corporation Street, Manchester. 363,257.

Device of woman with basket on head and words "EXCELLENCE OF QUALITY, ZENOT CO.": for all goods (48). By Lorimer-Marshall, Ltd., 12 Tower Hill, E.C. 362,999.

"BULL DOG BRAND," with picture of same; for eau de Cologne (48). By May, Roberts & Co., Ltd., 7-11 Clerkenwell Road, E.C. 363,397.

"ORANTA": for perfumery, etc. (48). By Zenobia, Ltd., Woodgate, Loughborough, Leicestershire. 363,429.

"TOMMY ATKINS": for perfumery, etc. (48). By D. & W. Gibbs, Ltd., High Street, Wapping, E. 363,505.

Picture of dog wearing hat and collar; for polishes, etc. (50). By C. Thomas & Bros., Ltd., Broad Plain Soapworks, Bristol. 362,764.

Belgian Refugees.

DURING the past week we have had several communications following on the paragraph in last week's issue (p. 34). A Bedford firm of chemists have offered an unfurnished house attached to a branch-shop for the use of a Belgian family—a pharmacist to be given the preference. Help towards feeding them is also promised. A chemist in Hull asks to be put in touch with a refugee who knows the wholesale drug-trade and who could act as a traveller or manager. A situation is offered by a St. Neots pharmacist (whose assistant has gone to the Front) to a Belgian pharmacist who can speak English. A well-known Oxford pharmacist is interesting himself on behalf of a Belgian *confère*, who has arrived there from Knocke-sur-Mer, where he had a business. A very practical suggestion comes from a wholesale firm of chemists at Stockton-on-Tees. They suggest that it might be possible to find among the refugees a man skilled in the manufacture of glass beakers and flasks similar to those largely imported from Germany. This man might be employed to train English workmen in this special branch of the business. In this connection we had a call a day or two ago from a well-known English manufacturer of fine glassware, who informed us that he and other glass-manufacturers are also seeking for expert glass-blowers among the refugees. Finally, we have a communication from St. Bartholomew's Hospital, where a wounded Belgian soldier named Gaston Moulrier is at present lying. M. Moulrier is anxious to get in touch with his cousin, M. Jean Corselis, who is at present, he understands, engaged in a London pharmacy. We had a call from M. Corselis a fortnight ago, and have done the needful.

BUSINESS CHANGES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

MR. JOSEPH COFMAN, pharmacist, 6 Bloomsbury Street, London, W.C., has opened a high-class pharmacy at 23 York Place, W.

MR. G. G. GRANT has assumed the management of the now amalgamated businesses of Messrs. Stephenson and G. G. Grant, St. George Drug-store, Buff Bay, Jamaica.

MR. T. H. FODEN, Ph.C., High Street, King's Heath, Birmingham, has taken large premises at the corner of Poplar Road and High Street, King's Heath, where extensive alterations are being made to suit his requirements.

GAZETTE.

Partnerships Dissolved.

ANTHONY, J. L., and ANTHONY, E. P., 48 High Street, Bedford, pharmaceutical chemists, under the style of Anthony & Son.

COGSWELL, P. D., and CHESTERS, W. H., Fairholme, Tweedy Road, and Widmore Road, Bromley, physicians and surgeons, under the style of Cogswell & Chesters.

JONES, F. S., and WALKER, J. F., Britannia Road, Westcliff-on-Sea, and "Rocklands," Cliff Town Parade, Southend-on-Sea, physicians and surgeons, under the style of Drs. Jones & Walker.

MARSHALL, R. T., and COOPER, H. R., Cullum Street, London, analytical chemists, under the style of Halse & Marshall.

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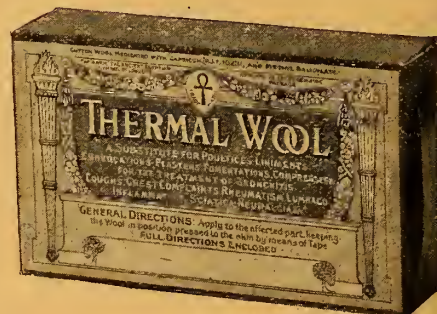
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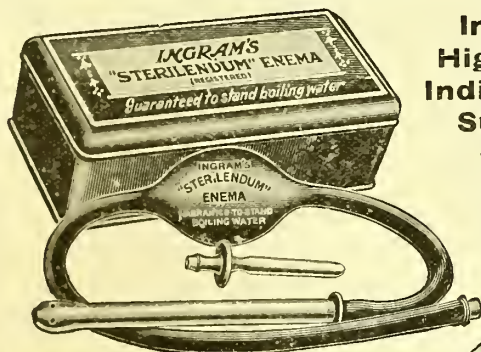
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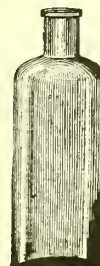
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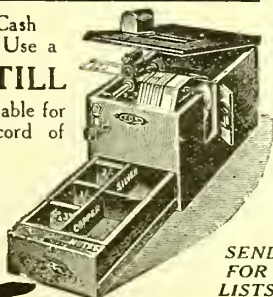
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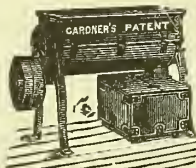
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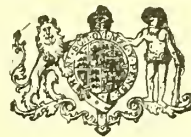
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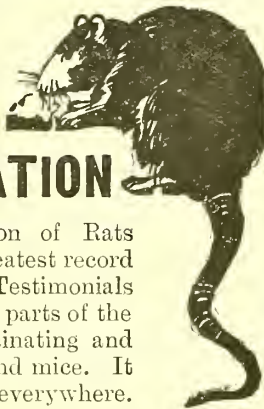
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Manufactured from pure Carbonate of Soda, and supplied of all degrees of strength.

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